


STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING				FORM 3 AMENDED REPORT <input type="checkbox"/>		
APPLICATION FOR PERMIT TO DRILL				1. WELL NAME and NUMBER 5-7D-46 BTR		
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>				3. FIELD OR WILDCAT ALTAMONT		
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO				5. UNIT or COMMUNITIZATION AGREEMENT NAME		
6. NAME OF OPERATOR BILL BARRETT CORP				7. OPERATOR PHONE 303 312-8164		
8. ADDRESS OF OPERATOR 1099 18th Street Ste 2300, Denver, CO, 80202				9. OPERATOR E-MAIL dspencer@billbarrettcorp.com		
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) 14-20-H62-5671		11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		
13. NAME OF SURFACE OWNER (if box 12 = 'fee')				14. SURFACE OWNER PHONE (if box 12 = 'fee')		
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')				16. SURFACE OWNER E-MAIL (if box 12 = 'fee')		
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') UTE		18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>		
20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	2600 FNL 800 FWL	SWNW	7	4.0 S	6.0 W	U
Top of Uppermost Producing Zone	2393 FNL 753 FWL	SWNW	7	4.0 S	6.0 W	U
At Total Depth	1980 FNL 660 FWL	SWNW	7	4.0 S	6.0 W	U
21. COUNTY DUCHESE		22. DISTANCE TO NEAREST LEASE LINE (Feet) 660		23. NUMBER OF ACRES IN DRILLING UNIT 160		
		25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 2480		26. PROPOSED DEPTH MD: 7300 TVD: 7200		
27. ELEVATION - GROUND LEVEL 6020		28. BOND NUMBER LPM 8874725		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Duchesne City Culinary Water Dock		
ATTACHMENTS						
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES						
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER			<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN			
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)			<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER			
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)			<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP			
NAME Elaine Winick		TITLE Sr. Permit Analyst		PHONE 303 293-9100		
SIGNATURE		DATE 01/07/2011		EMAIL ewinick@billbarrettcorp.com		
API NUMBER ASSIGNED 43013505740000		APPROVAL  Permit Manager				

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Cond	26	16	0	80		
Pipe	Grade	Length	Weight			
	Unknown	80	65.0			

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Surf	12.25	9.625	0	1500		
Pipe	Grade	Length	Weight			
	Grade J-55 ST&C	1500	36.0			

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Prod	8.75	5.5	0	7300		
Pipe	Grade	Length	Weight			
	Grade P-110 LT&C	7300	17.0			

BILL BARRETT CORPORATION
DRILLING PLAN
1/7/2011

5-7D-46 BTR Well Pad

SWNW, Lot 2, 2600' FNL, 800' FWL, Section 7, T4S, R6W, USB&M (surface hole)

SWNW, Lot 2, 1980' FNL, 660' FWL, Section 7, T4S, R6W, USB&M (bottom hole)

Duchesne County, UT

1 - 2. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals

<u>Formation</u>	<u>Depth – MD</u>	<u>Depth – TVD</u>
Lower Green River	3259'*	3232'
Douglas Creek	4171'	4082'
Black Shale	4971'	4872'
Castle Peak	5241'	5142'
Wasatch	5826'	5727'
TD	7300'	7200'

*PROSPECTIVE PAY

The Wasatch and the Lower Green River are primary objectives for oil/gas.

3. BOP and Pressure Containment Data

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 1500'	No pressure control required
1500' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
<ul style="list-style-type: none"> - Drilling spool to accommodate choke and kill lines; - Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2; - The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests. - BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner. 	

4. Casing Program

<u>Hole Size</u>	<u>SETTING DEPTH</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
(FROM)	(TO)						
26"	Surface	80'	16"	65#			
12 1/4"	surface	1500'	9-5/8"	36#	J or K 55	ST&C	New
8-3/4"	surface	TD	5 1/2"	17#	P-110	LT&C	New

For any liner ran BBC intends to have a minimum of 200' of liner overlap.

5. **Cementing Program**

<u>Casing</u>	<u>Cement</u>
16" Conductor Casing	Grout
9 5/8" Surface Casing	Approximately 320 sx Halliburton Light Premium with additives mixed at 12.7 ppg (yield = 1.82 ft ³ /sx) circulated to surface with 75% excess. Approximately 230 sx Halliburton Premium Plus cement with additives mixed at 15.8 ppg (yield = 1.20 ft ³ /sx).
5 1/2" Production Casing	Approximately 340 sx Halliburton Hi-Fill Modified cement with additives mixed at 10.7 ppg (yield = 2.92 ft ³ /sx). Approximately 250 sx Halliburton Tuned Light RS-1 cement with additives mixed at 11.5 ppg (yield = 3.21 ft ³ /sx). Top of cement to be determined by log and sample evaluation; estimated TOC 1,000'.

6. **Mud Program**

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u> (API filtrate)	<u>Remarks</u>
0' – 80'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
80' – 1500'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
1500' – TD	8.6 – 9.7	42-52	20 cc or less	DAP Polymer Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

7. **Testing, Logging and Core Programs**

Cores	None anticipated
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface). FMI & Sonic Scanner to be run at geologist's discretion.
NOTE: If BBC pursues the "Alternate" program, a suite of the above logs will be run on both the intermediate and production hole sections.	

8. **Anticipated Abnormal Pressures or Temperatures**

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 3632 psi* and maximum anticipated surface pressure equals approximately 2048 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

**Maximum surface pressure = A – (0.22 x TD)

Bill Barrett Corporation
Drilling Program
5-7D-46 BTR
Duchesne County, Utah

9. Auxiliary Equipment

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
- b) Inside BOP or stab-in valve (available on rig floor)
- c) Safety valve(s) and subs to fit all string connections in use
- d) Mud monitoring will be visually observed

10. Location and Type of Water Supply

Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W.

11. Drilling Schedule

Location Construction:	Approximately 4/01/2011
Spud:	Approximately 6/15/2011
Duration:	15 days drilling time
	45 days completion time

PRESSURE CONTROL EQUIPMENT – Schematic Attached

A. Type: Eleven (11) Inch Double Gate Hydraulic BOP with Eleven (11) Inch Annular Preventer. The blow out preventer will be equipped as follows:

1. One (1) blind ram (above).
2. One (1) pipe ram (below).
3. Drilling spool with two (2) side outlets (choke side 3-inch minimum, kill side 2-inch minimum).
4. 3-inch diameter choke line.
5. Two (2) choke line valves (3-inch minimum).
6. Kill line (2-inch minimum).
7. Two (2) chokes with one (1) remotely controlled from the rig floor.
8. Two (2) kill line valves, and a check valve (2-inch minimum).
9. Upper and lower kelly cock valves with handles available.
10. Safety valve(s) & subs to fit all drill string connections in use.
11. Inside BOP or float sub available.
12. Pressure gauge on choke manifold.
13. Fill-up line above the uppermost preventer.

B. Pressure Rating: 5,000 psi

C. Testing Procedure:

Annular Preventer

At a minimum, the Annular Preventer will be pressure tested to 50% of the rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum the above pressure test will be performed:

1. When the annular preventer is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition, the Annular Preventer will be functionally operated at least weekly.

Blow-Out Preventer

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be

maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

D. Choke Manifold Equipment:

All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

E. Accumulator:

The accumulator will have sufficient capacity to open the hydraulically-controlled choke line valve (if so equipped), close all rams plus the annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of closing unit pumps. The fluid reservoir capacity will be double the usable fluid volume of the accumulator system capacity and the fluid level of the reservoir will be maintained at the manufacturer's recommendations.

The BOP system will have two (2) independent power sources to close the preventers. Nitrogen bottles (3 minimum) will be one (1) of these independent power sources and will maintain a charge equal to the manufacturer's specifications.

The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every six (6) months thereafter. The accumulator pressure will be corrected if the measured precharge pressure is found to be above or below the maximum or minimum limits specified in the *Onshore Oil & Gas Order Number 2*.

A manual locking device (i.e. hand wheels) or automatic locking device will be installed on all systems of 2M or greater. A valve will be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve will be maintained in the open position and will be closed only when the power source for the accumulator is inoperative.

Remote controls shall be readily accessible to the driller. Remote controls for all 3M or greater systems will be capable of closing all preventers. Remote controls for 5M or greater systems will be capable of both opening and closing all preventers. Master controls will be at the accumulator and will be capable of opening and closing all preventers and the choke line valve (if so equipped).

F. Miscellaneous Information:

The Blow-Out Preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of *Onshore Oil & Gas Order Number 2*. The hydraulic BOP closing unit will be located at least twenty-five (25) feet from the well head but readily accessible to the driller. Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole.

A flare line will be installed after the choke manifold, extending 125 feet (minimum) from the center of the drill hole to a separate flare pit.



Bill Barrett Corporation

Blacktail Ridge Cement Volumes

as of 01/07/11

Well Name: 5-7D-46 BTR

Surface Hole Data:

Total Depth:	1,500'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	9.625"

Calculated Data:

Lead Volume:	548.1	ft ³
Lead Fill:	1,000'	
Tail Volume:	274.0	ft ³
Tail Fill:	500'	

Cement Data:

Lead Yield:	1.82	ft ³ /sk
% Excess:	75%	
Top of Lead:	0'	

Calculated # of Sacks:

# SK's Lead:	320
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Tail Yield:	1.20	ft ³ /sk
% Excess:	75%	
Top of Tail:	1,000'	

# SK's Tail:	230
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Production Hole Data:

Total Depth:	7,300'
Top of Cement:	1,000'
Top of Tail:	4,471'
OD of Hole:	8.750"
OD of Casing:	5.500"

Calculated Data:

Lead Volume:	964.4	ft ³
Lead Fill:	3,471'	
Tail Volume:	786.1	ft ³
Tail Fill:	2,829'	

Cement Data:

Lead Yield:	2.92	ft ³ /sk
Tail Yield:	3.21	ft ³ /sk
% Excess:	10%	

Calculated # of Sacks:

# SK's Lead:	340
# SK's Tail:	250

5-7D-46 BTR Proposed Cementing Program

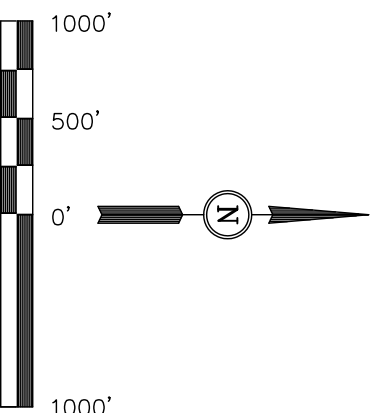
<u>Job Recommendation</u>		<u>Surface Casing</u>	
Lead Cement - (1000' - 0')			
Halliburton Light Premium	Fluid Weight:	12.7	lbm/gal
1.0% Calcium Chloride	Slurry Yield:	1.82	ft ³ /sk
0.125 lbm/sk Ploy-E-Flake	Total Mixing Fluid:	9.72	Gal/sk
	Top of Fluid:	0'	
	Calculated Fill:	1,000'	
	Volume:	97.61	bbl
	Proposed Sacks:	320	sk
Tail Cement - (TD - 1000')			
Premium Cement	Fluid Weight:	15.8	lbm/gal
2.0% Calcium Chloride	Slurry Yield:	1.20	ft ³ /sk
0.125 lbm/sk Ploy-E-Flake	Total Mixing Fluid:	5.238	Gal/sk
	Top of Fluid:	1,000'	
	Calculated Fill:	500'	
	Volume:	48.80	bbl
	Proposed Sacks:	230	sk

<u>Job Recommendation</u>		<u>Production Casing</u>	
Lead Cement - (4471' - 1000')			
Halliburton Hi-Fill Modified	Fluid Weight:	10.7	lbm/gal
0.2% HR-5	Slurry Yield:	2.92	ft ³ /sk
0.25 lbm/sk Poly-E-Flake	Total Mixing Fluid:	17.26	Gal/sk
5.0 lbm/sk Gilsonite	Top of Fluid:	1,000'	
	Calculated Fill:	3,471'	
	Volume:	171.76	bbl
	Proposed Sacks:	340	sk
Tail Cement - (7300' - 4471')			
Halliburton Tuned Light RS-1	Fluid Weight:	11.5	lbm/gal
0.2% Super CBL	Slurry Yield:	3.21	ft ³ /sk
0.2% HR-5	Total Mixing Fluid:	18.56	Gal/sk
	Top of Fluid:	4,471'	
	Calculated Fill:	2,829'	
	Volume:	140.00	bbl
	Proposed Sacks:	250	sk

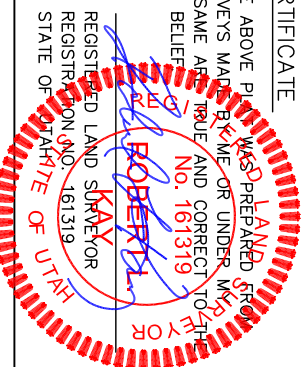
Well location, #5-7D-46 BTR, located as shown in LOT 2 of Section 7, T4S, R6W, U.S.B.&M., Duchesne County, Utah.

BENCH MARK (M67) LOCATED IN THE SW 1/4 OF SECTION 9, T5S, R4W, U.S.B.&M., TAKEN FROM THE DUCHESSNE SE QUADRANGLE, UTAH, DUCHESSNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED ON CAP AS BEING 6097 FEET.

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



85 SOUTH 200 EAST - VERNAL, UTAH 84078

SCALE

$$1'' = 1000'$$

PARTY

G.M. T.

WEATHER

WARM

DATE SURVEYED:	DATE DRAWN:
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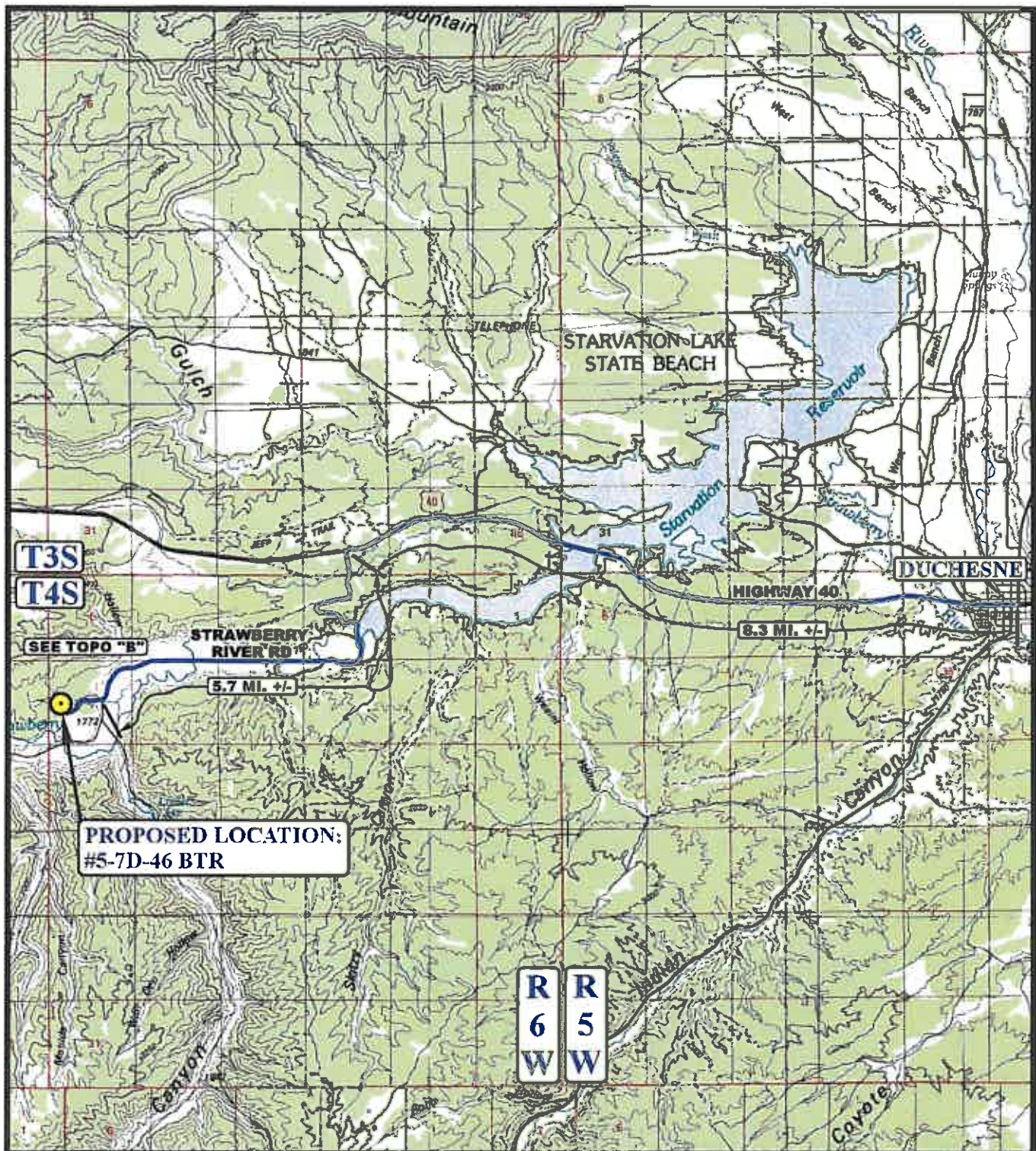
09-28-10

REFERENCES

G.L.O. PLAT

FILE	
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BILL BARRETT CORPORATION



**PROPOSED LOCATION:
#5-7D-46 BTR**

LEGEND:

 **PROPOSED LOCATION**



BILL BARRETT CORPORATION

**#5-7D-46 BTR
SECTION 7, T4S, R6W, U.S.B.&M.
2600' FNL 800' FWL**



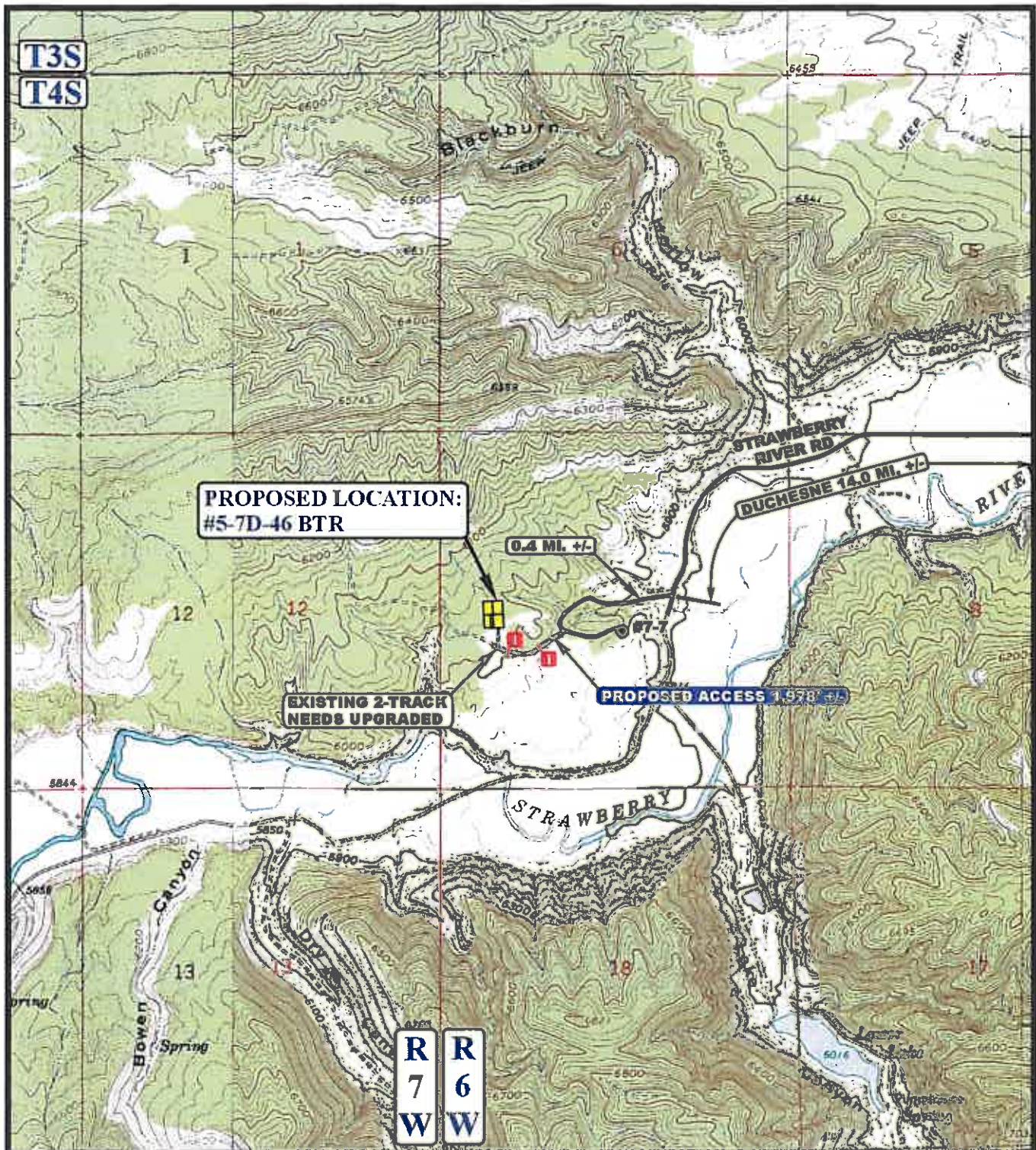
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

**TOPOGRAPHIC
MAP**

10 07 10
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: J.J. REVISED: 00-00-00





LEGEND:

- EXISTING ROAD
- PROPOSED ACCESS ROAD
- 18" CMP REQUIRED



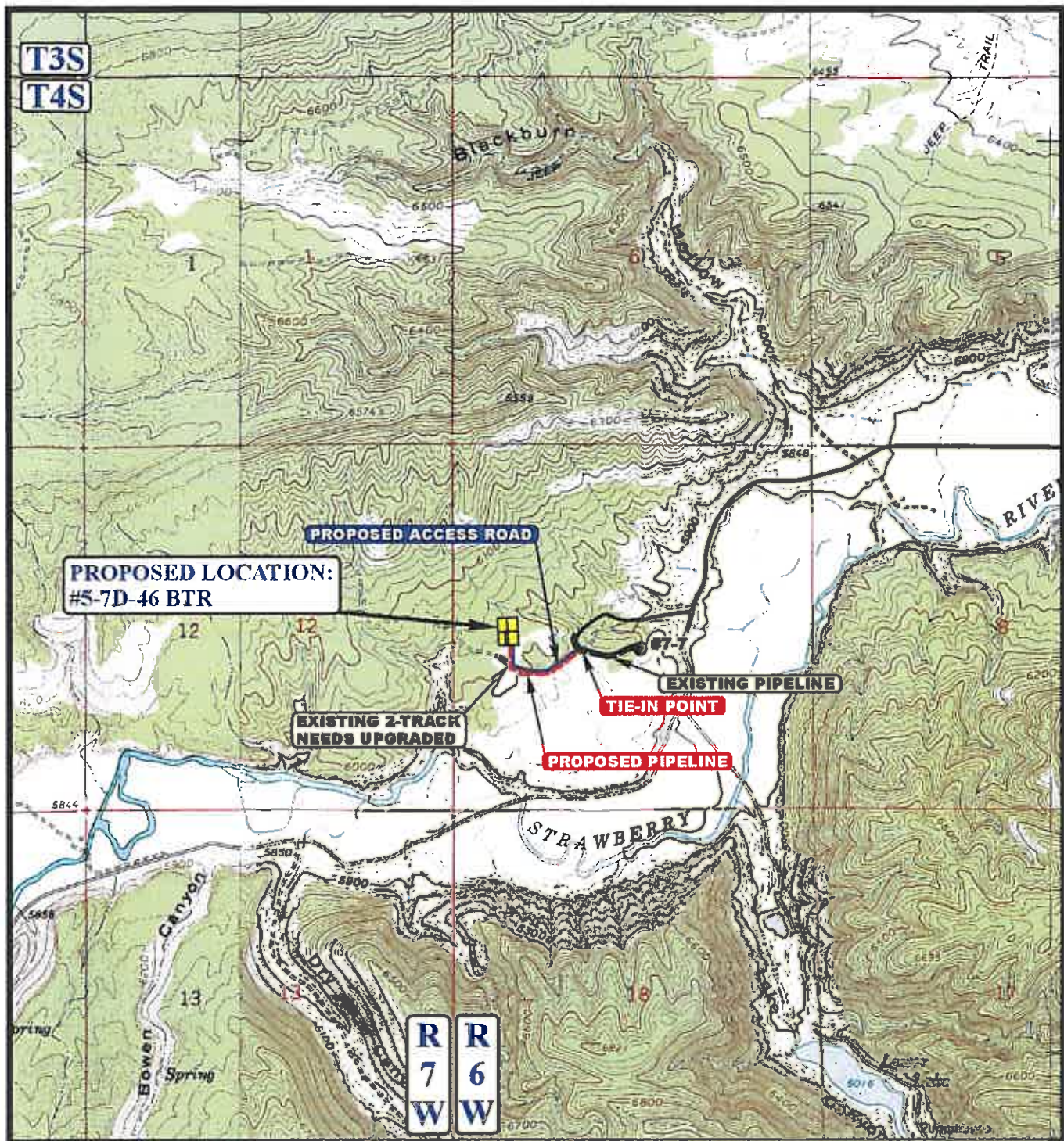
BILL BARRETT CORPORATION

#5-7D-46 BTR
SECTION 7, T4S, R6W, U.S.B.&M.
2600' FNL 800' FWL

U&L
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP
SCALE: 1" = 2000' DRAWN BY: J.J. REVISED: 00-00-00

10 MONTH
07 DAY
10 YEAR
B
TOPO



APPROXIMATE TOTAL PIPELINE DISTANCE = 2,044' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE



BILL BARRETT CORPORATION

#5-7D-46 BTR

SECTION 7, T4S, R6W, U.S.B.&M.

2600' FNL 800' FWL



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**TOPOGRAPHIC
MAP**

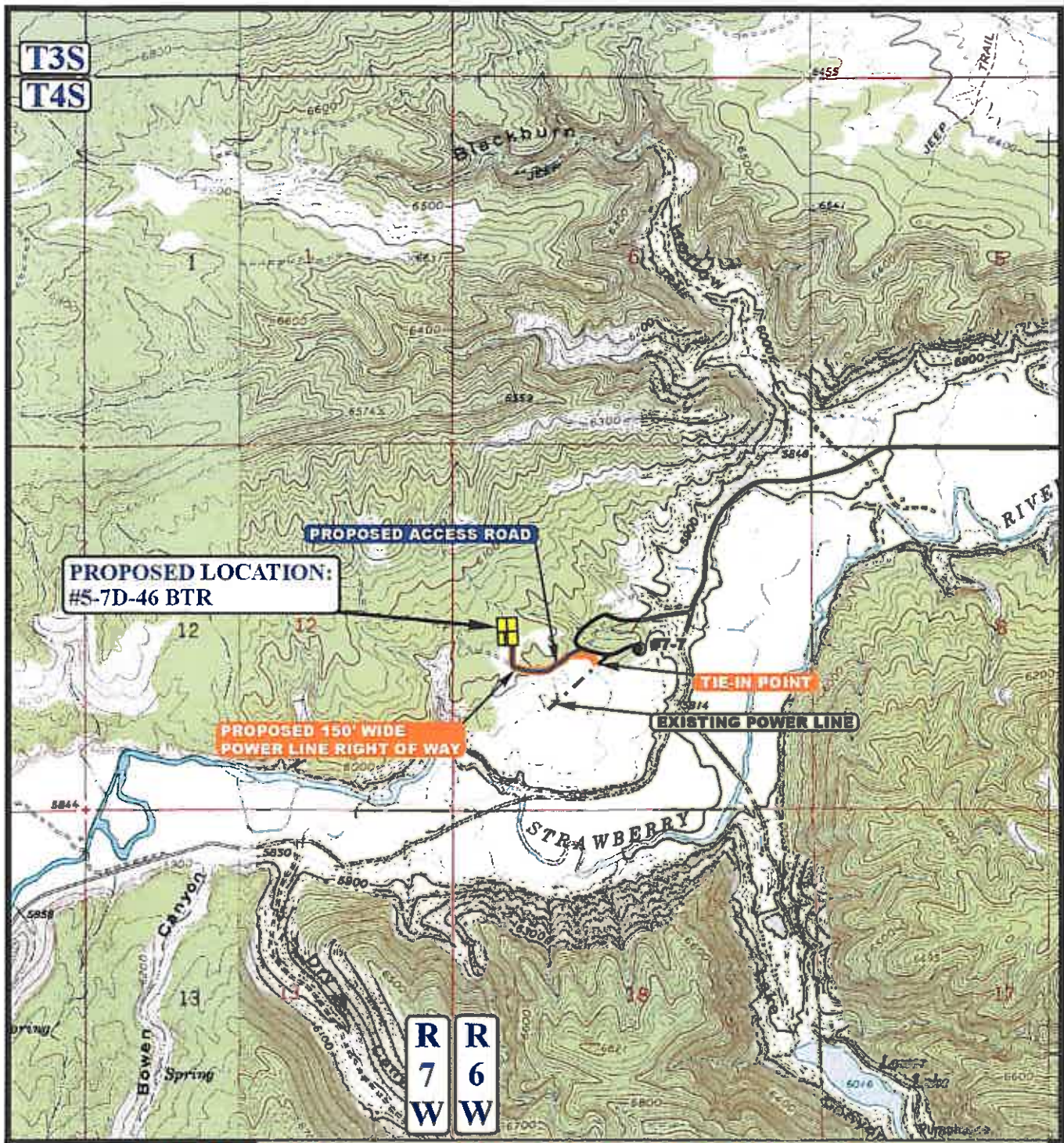
10 07 10
 MONTH DAY YEAR

SCALE: 1" = 2000'

DRAWN BY: J.J.

REVISED: 00-00-00





APPROXIMATE TOTAL POWER LINE DISTANCE = 2,052' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING POWERLINE
- PROPOSED POWER LINE



BILL BARRETT CORPORATION

#5-7D-46 BTR
SECTION 7, T4S, R6W, U.S.B.&M.
2600' FNL 800' FWL

U&L Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP 11 09 10
MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: J.J. REVISED: 00-00-00



4S/7W

One Mile Radius Map

1

4S/6W

6

16-4-46_BTR_SMD

5-7D-46_BTR



7-7-46 BTR

7

14-7-46
BTR

8



13

18

**Bill Barrett Corporation**

5-7D-46 BTR Pad
SWNW, Section 7, T4S, R6W
Duchesne County, Utah

Legend

-  Oil - 2 Total
-  P&A - 1 Total

Bill Barrett Corp
Duchesne County, UT (NAD 1927)
Sec. 7-T4S-R6W
#5-7D-46 BTR

Plan A

Plan: Plan A - Rev 0 Proposal

Sperry Drilling Services

Proposal Report

24 November, 2010

Well Coordinates: 662,045.77 N, 2,248,426.62 E (40° 08' 51.39" N, 110° 36' 40.66" W)
Ground Level: 6,017.00 ft

Local Coordinate Origin:	Centered on Well #5-7D-46 BTR
Viewing Datum:	KB @ 6032.00ft (Patterson 506)
TVDs to System:	N
North Reference:	True
Unit System:	API - US Survey Feet - Custom

Geodetic Scale Factor Applied
Version: 2003.16 Build: 431

HALLIBURTON

Plan Report for #5-7D-46 BTR - Plan A - Rev 0 Proposal

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,242.00	0.00	0.00	1,242.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Green River										
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,832.00	0.00	0.00	1,832.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mahogany										
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP - Begin 2.5°/100' Build at 2300.00ft										
2,400.00	2.50	347.16	2,399.97	2.13	-0.48	2.18	2.50	2.50	0.00	347.16
2,500.00	5.00	347.16	2,499.75	8.50	-1.94	8.72	2.50	2.50	0.00	0.00
2,600.00	7.50	347.16	2,599.14	19.12	-4.36	19.61	2.50	2.50	0.00	0.00
2,700.00	10.00	347.16	2,697.97	33.95	-7.74	34.82	2.50	2.50	0.00	0.00
2,800.00	12.50	347.16	2,796.04	52.97	-12.08	54.33	2.50	2.50	0.00	0.00
2,900.00	15.00	347.16	2,893.17	76.14	-17.36	78.09	2.50	2.50	0.00	0.00
3,000.00	17.50	347.16	2,989.17	103.42	-23.58	106.07	2.50	2.50	0.00	0.00
3,100.00	20.00	347.16	3,083.85	134.76	-30.73	138.21	2.50	2.50	0.00	0.00
3,186.61	22.17	347.16	3,164.66	165.13	-37.65	169.37	2.50	2.50	0.00	0.00
End of Build at 3186.61ft										
3,200.00	22.17	347.16	3,177.06	170.05	-38.77	174.42	0.00	0.00	0.00	0.00
3,259.32	22.17	347.16	3,232.00	191.88	-43.75	196.80	0.00	0.00	0.00	0.00
TGR3										
3,300.00	22.17	347.16	3,269.67	206.84	-47.16	212.15	0.00	0.00	0.00	0.00
3,400.00	22.17	347.16	3,362.28	243.62	-55.55	249.87	0.00	0.00	0.00	0.00
3,500.00	22.17	347.16	3,454.89	280.41	-63.94	287.60	0.00	0.00	0.00	0.00
Hold Angle at 22.17°										
3,600.00	22.17	347.16	3,547.50	317.19	-72.32	325.33	0.00	0.00	0.00	0.00
3,700.00	22.17	347.16	3,640.11	353.97	-80.71	363.06	0.00	0.00	0.00	0.00
3,800.00	22.17	347.16	3,732.72	390.76	-89.10	400.79	0.00	0.00	0.00	0.00
3,863.12	22.17	347.16	3,791.18	413.97	-94.39	424.60	0.00	0.00	0.00	0.00
Begin 2.0°/100ft Drop to Vertical at 3863.12ft										
3,900.00	21.43	347.16	3,825.42	427.33	-97.44	438.29	2.00	-2.00	0.00	180.00
4,000.00	19.43	347.16	3,919.13	461.35	-105.20	473.19	2.00	-2.00	0.00	180.00
4,100.00	17.43	347.16	4,013.99	492.17	-112.22	504.80	2.00	-2.00	0.00	180.00
4,171.01	16.01	347.16	4,082.00	512.08	-116.76	525.23	2.00	-2.00	0.00	180.00
Douglas Creek										
4,200.00	15.43	347.16	4,109.91	519.74	-118.51	533.08	2.00	-2.00	0.00	180.00
4,300.00	13.43	347.16	4,206.75	544.03	-124.05	558.00	2.00	-2.00	0.00	180.00

Plan Report for #5-7D-46 BTR - Plan A - Rev 0 Proposal

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toothface Azimuth (°)
4,400.00	11.43	347.16	4,304.40	565.01	-128.83	579.52	2.00	-2.00	0.00	180.00
4,500.00	9.43	347.16	4,402.74	582.66	-132.86	597.61	2.00	-2.00	0.00	180.00
4,590.26	7.62	347.16	4,492.00	595.70	-135.83	610.99	2.00	-2.00	0.00	-180.00
3Point Marker										
4,600.00	7.43	347.16	4,501.66	596.95	-136.11	612.27	2.00	-2.00	0.00	180.00
4,700.00	5.43	347.16	4,601.02	607.86	-138.60	623.46	2.00	-2.00	0.00	180.00
4,800.00	3.43	347.16	4,700.72	615.39	-140.32	631.18	2.00	-2.00	0.00	180.00
4,900.00	1.43	347.16	4,800.63	619.52	-141.26	635.42	2.00	-2.00	0.00	180.00
4,971.38	0.00	0.00	4,872.00	620.38	-141.46	636.31	2.00	-2.00	0.00	180.00
End of Drop at 4971.38ft - Black Shale										
5,000.00	0.00	0.00	4,900.62	620.38	-141.46	636.31	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,000.62	620.38	-141.46	636.31	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,100.62	620.38	-141.46	636.31	0.00	0.00	0.00	0.00
5,241.38	0.00	0.00	5,142.00	620.38	-141.46	636.31	0.00	0.00	0.00	0.00
Castle Peak										
5,300.00	0.00	0.00	5,200.62	620.38	-141.46	636.31	0.00	0.00	0.00	0.00
5,400.00	0.00	0.00	5,300.62	620.38	-141.46	636.31	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,400.62	620.38	-141.46	636.31	0.00	0.00	0.00	0.00
5,576.38	0.00	0.00	5,477.00	620.38	-141.46	636.31	0.00	0.00	0.00	0.00
Uteland Butte										
5,600.00	0.00	0.00	5,500.62	620.38	-141.46	636.31	0.00	0.00	0.00	0.00
5,651.38	0.00	0.00	5,552.00	620.38	-141.46	636.31	0.00	0.00	0.00	0.00
CR1										
5,700.00	0.00	0.00	5,600.62	620.38	-141.46	636.31	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,700.62	620.38	-141.46	636.31	0.00	0.00	0.00	0.00
5,826.38	0.00	0.00	5,727.00	620.38	-141.46	636.31	0.00	0.00	0.00	0.00
Wasatch										
5,900.00	0.00	0.00	5,800.62	620.38	-141.46	636.31	0.00	0.00	0.00	0.00
5,981.38	0.00	0.00	5,882.00	620.38	-141.46	636.31	0.00	0.00	0.00	0.00
CR2										
6,000.00	0.00	0.00	5,900.62	620.38	-141.46	636.31	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,000.62	620.38	-141.46	636.31	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,100.62	620.38	-141.46	636.31	0.00	0.00	0.00	0.00
6,231.38	0.00	0.00	6,132.00	620.38	-141.46	636.31	0.00	0.00	0.00	0.00
CR3										
6,300.00	0.00	0.00	6,200.62	620.38	-141.46	636.31	0.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,300.62	620.38	-141.46	636.31	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,400.62	620.38	-141.46	636.31	0.00	0.00	0.00	0.00
6,531.38	0.00	0.00	6,432.00	620.38	-141.46	636.31	0.00	0.00	0.00	0.00
CR4										
6,600.00	0.00	0.00	6,500.62	620.38	-141.46	636.31	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,600.62	620.38	-141.46	636.31	0.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,700.62	620.38	-141.46	636.31	0.00	0.00	0.00	0.00
6,811.38	0.00	0.00	6,712.00	620.38	-141.46	636.31	0.00	0.00	0.00	0.00
CR4A										
6,900.00	0.00	0.00	6,800.62	620.38	-141.46	636.31	0.00	0.00	0.00	0.00
6,911.38	0.00	0.00	6,812.00	620.38	-141.46	636.31	0.00	0.00	0.00	0.00
CR5										
7,000.00	0.00	0.00	6,900.62	620.38	-141.46	636.31	0.00	0.00	0.00	0.00
7,061.38	0.00	0.00	6,962.00	620.38	-141.46	636.31	0.00	0.00	0.00	0.00
Total Depth at 7061.38ft										

Plan Report for #5-7D-46 BTR - Plan A - Rev 0 Proposal

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
2,300.00	2,300.00	0.00	0.00	KOP - Begin 2.5°/100' Build at 2300.00ft
3,186.61	3,164.66	165.13	-37.65	End of Build at 3186.61ft
3,500.00	3,454.89	280.41	-63.94	Hold Angle at 22.17°
3,863.12	3,791.18	413.97	-94.39	Begin 2.0°/100ft Drop to Vertical at 3863.12ft
4,971.38	4,872.00	620.38	-141.46	End of Drop at 4971.38ft
7,061.38	6,962.00	620.38	-141.46	Total Depth at 7061.38ft

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/-S (ft)	Origin +E/-W (ft)	Start TVD (ft)
Target	5-7D-46 BTR_PlanA - Rev0_BHL Tgt	347.16	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
0.00	7,061.38	Plan A - Rev 0 Proposal	MWD

Formation Details

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,242.00	1,242.00	Green River		0.00	
1,832.00	1,832.00	Mahogany		0.00	
3,259.32	3,232.00	TGR3		0.00	
4,171.01	4,082.00	Douglas Creek		0.00	
4,590.26	4,492.00	3Point Marker		0.00	
4,971.38	4,872.00	Black Shale		0.00	
5,241.38	5,142.00	Castle Peak		0.00	
5,576.38	5,477.00	Uteland Butte		0.00	
5,651.38	5,552.00	CR1		0.00	
5,826.38	5,727.00	Wasatch		0.00	
5,981.38	5,882.00	CR2		0.00	
6,231.38	6,132.00	CR3		0.00	
6,531.38	6,432.00	CR4		0.00	
6,811.38	6,712.00	CR4A		0.00	
6,911.38	6,812.00	CR5		0.00	

Targets associated with this wellbore

Target Name	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Shape
5-7D-46 BTR_PlanA - Rev0_BHL Tgt	6,962.00	620.38	-141.46	Point
5-7D-46 BTR_PlanA - Rev0_Zone Tgt	4,872.00	620.38	-141.46	Circle

North Reference Sheet for Sec. 7-T4S-R6W - #5-7D-46 BTR - Plan A

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to True North Reference.

Vertical Depths are relative to KB @ 6032.00ft (Patterson 506). Northing and Easting are relative to #5-7D-46 BTR

Coordinate System is US State Plane 1927 (Exact solution), Utah Central 4302 using datum NAD 1927 (NADCON CONUS), ellipsoid Clarke 1866

Projection method is Lambert Conformal Conic (2 parallel)

Central Meridian is -111.50°, Longitude Origin: 0° 0' 0.000 E°, Latitude Origin: 40° 39' 0.000 N°

False Easting: 2,000,000.00ft, False Northing: 0.00ft, Scale Reduction: 0.99991367

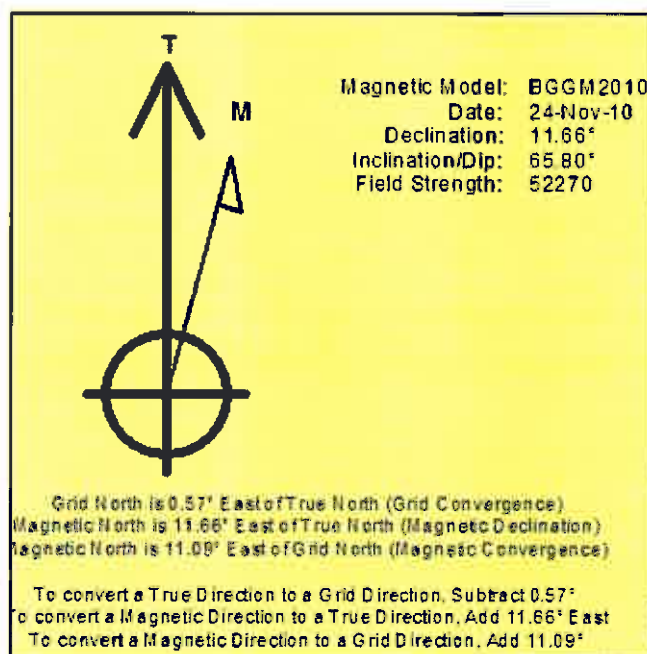
Grid Coordinates of Well: 662,045.77 ft N, 2,248,426.62 ft E

Geographical Coordinates of Well: 40° 08' 51.39" N, 110° 36' 40.66" W

Grid Convergence at Surface is: 0.57°

Based upon Minimum Curvature type calculations, at a Measured Depth of 7,061.38ft
the Bottom Hole Displacement is 636.31ft in the Direction of 347.16° (True).

Magnetic Convergence at surface is: -11.09° (24 November 2010, , BGGM2010)



Project: Duchesne County, UT (NAD 1927)
Site: Sec. 7-T4S-R6W
Well: #5-7D-46 BTR
Wellbore: Plan A
Plan: Plan A - Rev 0 Proposal

Bill Barrett Corp

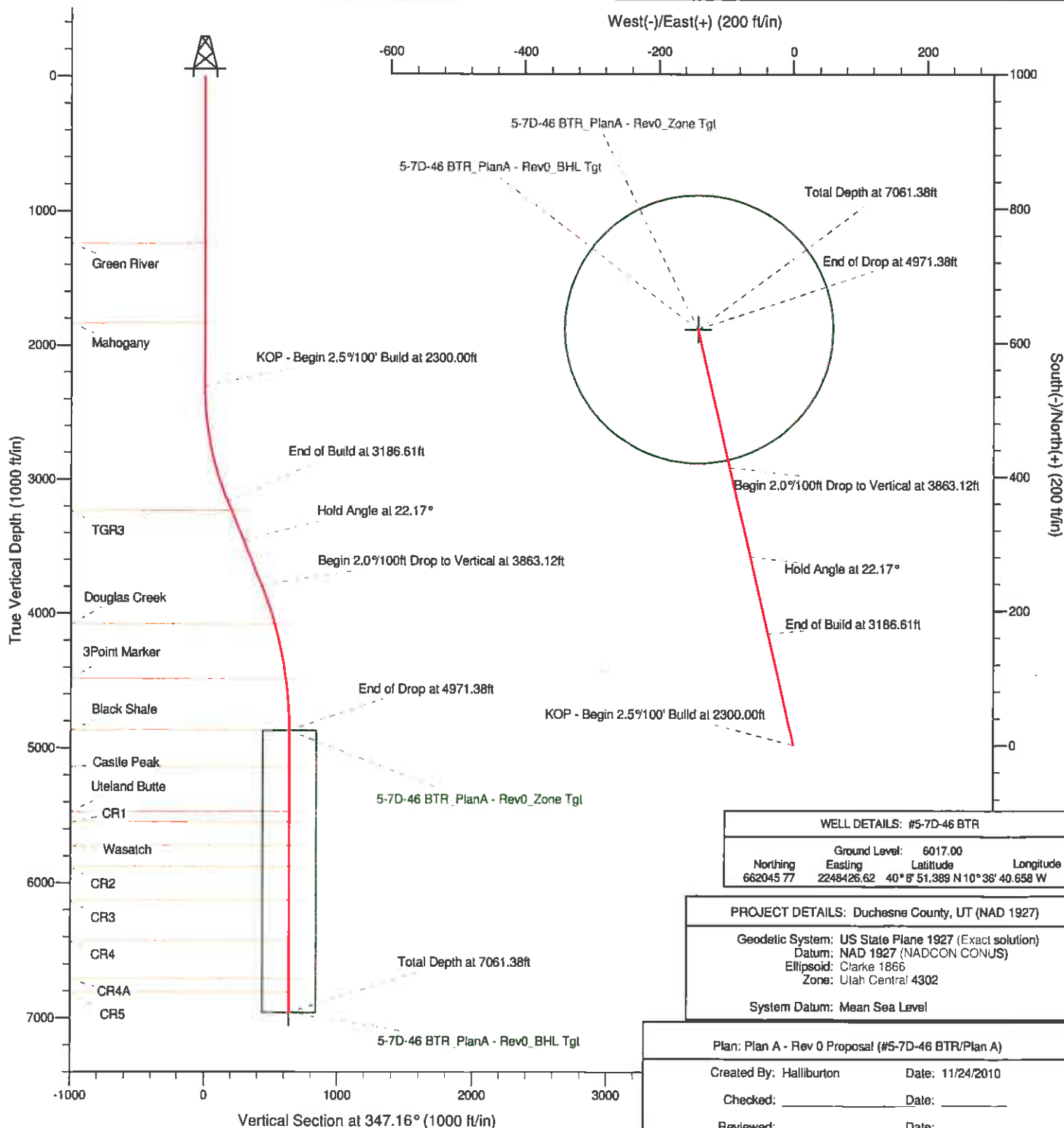
HALLIBURTON

Sperry Drilling

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLag	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	2300.00	0.00	0.00	2300.00	0.00	0.00	0.00	0.00	0.00	
3	3186.61	22.17	347.16	3184.66	165.13	-37.65	2.50	347.16	169.37	
4	3863.12	22.17	347.16	3791.18	413.98	-94.39	0.00	0.00	424.60	
5	4971.38	0.00	0.00	4872.00	620.38	-141.46	2.00	180.00	636.31	5-7D-46 BTR_PlanA - Rev0_Zone Tgt
6	7061.38	0.00	0.00	6962.00	620.38	-141.46	0.00	0.00	636.31	5-7D-46 BTR_PlanA - Rev0_BHL Tgt

West(-)/East(+) (200 ft/in)



'APIWellNo:43013505740000'

BILL BARRETT CORPORATION
SURFACE USE PLAN

5-7D-46 BTR Well Pad

SWNW, Lot 2, 2600' FNL, 800' FWL, Section 7, T4S, R6W, USB&M (surface hole)

SWNW, Lot 2, 1980' FNL, 660' FWL, Section 7, T4S, R6W, USB&M (bottom hole)

Duchesne County, UT

The Ute Tribal onsite for this location was conducted on December 1, 2010. Site specific requirements from the onsite to adhere to are as follows:

- 1) Divert runoff around the pad area**
- 2) Two 18" CMP's required**
- 3) Facilities paint color: Beetle**

The excavation contractor would be provided with an approved copy of the surface use plan of operations before initiating construction.

1. **Existing Roads:**

- a. The proposed well site is located approximately 14.8 miles southwest of Duchesne, Utah. Maps and directions reflecting the route to the proposed well site are included (see Topographic maps A and B).
- b. The proposed access will connect to the existing access for the 7-7-46 BTR access road approved under tribal ROW H62-2007-185. A ROW for the 5-7D-46 BTR is currently under review.
- c. Project roads would require routine year-round maintenance to provide year-round access. Maintenance would include inspections, reduction of ruts and holes, maintenance to keep water off the road, replacement of surfacing materials, and clearing of sediment blocking ditches and culverts. Should snow removal become necessary, roads would be cleared with a motor grader and snow would be stored along the down gradient side to prohibit runoff onto the road. Aggregate would be used as necessary to maintain a solid running surface and minimize dust generation.
- d. Vehicle operators would obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions. Travel would be limited to the existing access roads and proposed access road.
- e. The use of roads under State and Duchesne County Road Department maintenance are necessary to access the project area with no improvements proposed. No encroachment or pipeline crossing permit are required.
- f. All existing roads would be maintained and kept in good repair during all phases of operation.

2. Planned Access Road:

- a. Approximately 1978 feet of new access road is proposed entering the western side of the pad area (see Topographic Map B).
- b. A tribal right of way (ROW) is applied for and pending approval. The road would be constructed to a 30-foot ROW width with an 18-foot travel surface. See section 12.d. below for disturbance estimates.
- c. New road construction and improvements of existing roads would typically require the use of motor graders, crawler tractors, 10-yard end dump trucks, and water trucks. The standard methodology for building new roads involves the use of a crawler tractor or track hoe to windrow the vegetation to one side of the road corridor, remove topsoil to the opposing side of the corridor, and rough in the roadway. This is followed by a grader or bulldozer to establish barrow ditches and crown the road surface. Where culverts are required, a track hoe or backhoe would trench the road and install the culverts. Some hand labor would be required when installing and armoring culverts. Road base or gravel in some instances would be necessary and would be hauled in and a grader used to smooth the running surface.
- d. The proposed road would be constructed to facilitate drainage, control erosion and minimize visual impacts by following natural contours where practical. No unnecessary side-casting of material would occur on steep slopes.
- e. A maximum grade of 10% would be maintained throughout the project with minimum cuts and fills, as necessary, to access the well.
- f. Excess rock from construction of the pad may be used for surfacing of the access road if necessary. Any additional aggregate necessary would be obtained from private or State of Utah lands in conformance with applicable regulations. Aggregate would be of sufficient size, type, and amount to allow all weather access and alleviate dust.
- g. Where topsoil removal is necessary, it would be windrowed (i.e. stockpiled/accumulated along the edge of the ROW and in a low row/pile parallel with the ROW) and re-spread over the disturbed area after construction and backfilling are completed. Vegetation removed from the disturbed area would also be re-spread to provide protection, nutrient recycling, and a seed source for reclamation.
- h. Turnouts are not proposed because the access road is short and adequate site distance exists in all directions.
- i. Two 18" CMP's are required. Adequate drainage structures, where necessary, would be incorporated into the remainder of the road to prevent soil erosion and accommodate all-weather traffic.

- j. No gates or cattle guards are anticipated at this time.
 - k. Surface disturbance and vehicular travel would be limited to the approved location access road. Adequate signs would be posted, as necessary, to warn the public of project related traffic.
 - l. All access roads and surface disturbing activities would conform to the appropriate standard, **no higher than necessary**, to accommodate their intended function adequately as outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition – Revised 2007.
 - m. The operator would be responsible for all maintenance needs of the new access road.
3. Location of Existing Wells (see One-Mile Radius Map):
- a. Following is a list of wells with surface hole locations within a one-mile radius of the proposed pad:
 - i. water wells none
 - ii. injection wells none
 - iii. disposal wells none
 - iv. drilling wells none
 - v. temp shut-in wells none
 - vi. producing wells two
 - vii. abandoned wells one
4. Location of Production Facilities
- a. Surface facilities would consist of a wellhead, separator, gas meter, (1) 500 gal methanol tank, (1) 500 glycol tank, (2) 500 bbl oil tanks, (1) 500 bbl water tank, (1) 500 bbl test tank, (1) 1000 gal propane tank, a pumping unit with natural gas fired motor, solar panels, solar chemical and methanol pumps and one trace pump. See attached proposed facility diagram.
 - b. Most wells would be fitted with a pump jack to assist liquid production if liquid volumes and/or low formation pressures require it. Plunger lift systems do not require any outside source of energy. The prime mover for pump jacks would be small (75 horsepower or less), natural gas-fired internal combustion engines.
 - c. The tank battery would be surrounded by a secondary containment berm of sufficient capacity to contain 1.1 times the entire capacity of the largest single tank and sufficient freeboard to contain precipitation. All loading lines and valves would be placed inside the berm surrounding the tank battery or would utilize catchment basins to contain spills. All liquid hydrocarbon production and measurement shall conform to the provisions of 43 CFR 3162.7-2 and Onshore Oil and Gas Order No. 4 for the measurement of oil.

- d. Gas meter run(s) would be constructed and located on lease within 500 feet of the wellheads. Meter runs would be housed and/or fenced. As practicably feasible, meters would be equipped with remote telemetry monitoring systems. All gas production and measurement shall comply with the provisions of 43 CFR 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.
- e. A combustor may be installed at this location for control of associated condensate tank emissions. A combustor ranges from 24 inches to 48 inches wide and is approximately 27 ft tall. Combustor placement would be on existing disturbance.
- f. Approximately 2044 feet of pipeline corridor (see Topographic Map C) containing up to three lines (one gas pipeline up to 8 inch in diameter, one water line up to 4 inch in diameter and one residue line up to 4 inch in diameter) is proposed. Pipelines would be constructed of steel, polyethylene or fiberglass. The pipeline corridor would connect to the previously approved 7-7-46 BTR pipeline corridor approved under tribal ROW H62-2007-203.
- g. The new segment of gas pipeline would be surface laid line within a 30 foot wide pipeline ROW adjacent to the proposed access road. The pipeline has been applied for and is pending approval at this time. See 12.d below for disturbance estimates.
- h. Construction of the ROW would temporarily utilize the 30 foot disturbed width for the road for a total disturbed width of 60 foot for the road and pipeline corridors. The use of the proposed well site and access roads would facilitate the staging of the pipeline construction.
- i. Pipeline construction methods and practices would be planned and conducted by BBC with the objective of enhancing reclamation and fostering the re-establishment of the native plant community.
- j. All permanent above-ground structures would be painted a flat, non-reflective color, such as Beetle, to match the standard environmental colors. All facilities would be painted the designated color at the time of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.
- k. Site security guidelines identified in 43 CFR 3162.7-5 and Onshore Oil and Gas Order No. 3 would be adhered to. Any modifications to proposed facilities would be reflected in the site security diagram submitted.
- l. The site would require periodic maintenance to ensure that drainages are kept open and free of debris, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.

5. Location and Type of Water Supply:

- a. Water for the drilling and completion would be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W, USB&M.
- b. No new water well is proposed with this application.
- c. Should additional water sources be pursued they would be properly permitted through the State of Utah – Division of Water Rights. Additionally, the Ute Tribe would be notified of any changes in water supply.
- d. Water use would vary in accordance with the formations to be drilled but would be up to approximately 3.64 acre feet for drilling and completion operations.

6. Source of Construction Material:

- a. The use of materials would conform to 43 CFR 3610.2-3.
- b. No construction materials would be removed from the lease or EDA area.
- c. If any additional gravel is required, it would be obtained from a local supplier having a permitted source of materials within the general area.

7. Methods of Handling Waste Disposal:

- a. All wastes associated with this application would be contained and disposed of utilizing approved facilities.
- b. The reserve pit would be constructed so as not to leak, break or allow any discharge.
- c. The reserve would be lined with 12 mil (minimum) thickness polyethylene nylon reinforced liner material. The liner(s) would overlay straw, dirt and/or bentonite if rock is encountered during excavation. The liner would overlap the pit walls and be covered with dirt and/or rocks to hold them in place. No trash, scrap pipe, or other materials that could puncture the liner would be discarded in the pit. A minimum of two feet of free board would be maintained between the maximum fluid level and the top of the reserve pit at all times.
- d. To deter livestock from entering the pit, the three sides exterior to the location would be fenced before drilling starts. Following the conclusion of drilling and completion activities, the fourth side would also be fenced.
- e. Drill cuttings would be contained in the pit and buried on-site for a period not to exceed six months, weather permitting.
- f. Produced fluids from the well other than water would be decanted into steel test tank(s) until such time as construction of production facilities is completed. Any

oil that may be accumulated would be transferred to a permanent production tank. Produced water may be used in further drilling and completion activities, evaporated in the pit, or would be hauled to one of the state-approved disposal facilities below:

1. RNI Industries, Inc. – Pleasant Valley Disposal Pits
Sec. 25, 26, 35 & 36, T4S-R3W
 2. Pro Water LLC – Blue Bench 13-1 Disposal Well (43-013-30971)
NENE, Sec. 13, T3S-R5W
 3. RN Industries, Inc. – Bluebell Disposal Ponds
Sec. 2, 4 & 9, T2S-R2W
 4. Water Disposal, Inc. – Harmston 1-32-A1 Disposal Well (43-013-30224), UTR #00707, Sec. 32, T1S-R1W
 5. Unified Water Pits – Sec. 31, T2S-R4W
 6. Iowa Tank Line Pits – 8500 BLM Fence Road, Pleasant Valley
- g. Any salts and/or chemicals, which are an integral part of the drilling system, would be disposed of in the same manner as the drilling fluid.
- h. Any spills of oil, condensate, produced or frac water, drilling fluids, or other potentially deleterious substances would be recovered and either returned to its origin or disposed of at an approved disposal site, most likely in Duchesne, Utah.
- i. Chemicals on the EPA's Consolidated List of Chemicals subject to reporting under Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) may be used or stored in quantities over reportable quantities. In the course of drilling, BBC could potentially store and use diesel fuel, sand (silica), hydrochloric acid, and CO₂ gas, all described as hazardous substances in 40 CFR Part 302, Section 302.4, in quantities exceeding 10,000 pounds. In addition, natural gas condensate and crude oil and methanol may be stored or used in reportable quantities. Small quantities of retail products (paint/spray paints, solvents {e.g., WD-40}, and lubrication oil) containing non-reportable volumes of hazardous substances may be stored and used on site at any time. No extremely hazardous substances, as defined in 40 CFR 355, would be used, produced, stored, transported or disposed of in association with the drilling, testing or completion of the wells.
- j. Portable toilets and trash containers would be located onsite during drilling and completion operations. A commercial supplier would install and maintain portable toilets and equipment and would be responsible for removing sanitary waste. Sanitary waste facilities (i.e. toilet holding tanks) would be regularly pumped and their contents disposed of at approved sewage disposal facilities in Duchesne, and/or Uintah Counties, in accordance with applicable rules and regulations regarding sewage treatment and disposal. Accumulated trash and nonflammable waste materials would be hauled to an approved landfill once a week or as often as necessary. All debris and waste materials not contained in the trash containers would be cleaned up, removed from the construction ROW,

well pad, or worker housing location, and disposed of at an approved landfill. Trash would be cleaned up everyday.

- k. Sanitary waste equipment and trash bins would be removed from the Project Area upon completion of access road or pipeline construction; following drilling and completion operations at an individual well pad; when worker housing is no longer needed; or as required.
- l. A flare pit may be constructed a minimum of 110' from the wellhead(s) and may be used during completion work. In the event a flare pit proves to be unworkable, a temporary flare stack or open top tank would be installed. BBC would flow back as much fluid and gas as possible into pressurized vessels, separating the fluids from the gas. In some instances, due to the completion fluids utilized within the Project Area, it is not feasible to direct the flow stream from the wellbore through pressurized vessels. In such instances BBC proposes to direct the flow to the open top tanks until flow through the pressurized vessels is feasible. At which point the fluid would either be returned to the reserve pit or placed into a tank(s). The gas would be directed to the flare pit, flare stack (each with a constant source of ignition), or may be directed into the sales pipeline.
- m. Hydrocarbons would be removed from the reserve pit would as soon as practical. In the event immediate removal is not practical, the reserve pit would be flagged overhead or covered with wire or plastic mesh to protect migrating birds.

8. Ancillary Facilities:

- a. Garbage containers and portable toilets would be located on the well pad.
- b. On well pads where active drilling and completion is occurring, temporary housing would be provided on location for the well pad supervisor, geologist, tool pusher, and others that are required to be on location at all times. The well pad could include up to five single wide mobile homes or fifth wheel campers/trailers.
- c. Approximately 2052 feet of powerline corridor is proposed (see Topographic Map D) adjacent to the proposed road, tie-ing into the existing 7-7-46 BTR powerline corridor. The proposed corridor would be 150 feet, 75 feet on each side of the centerline of the existing access road. See 12.d below for disturbance estimates.

9. Well Site Layout:

- a. The well would be properly identified in accordance with 43 CFR 3162.6.
- b. The pad layout, cross section diagrams and rig layout are enclosed (see Figures 1 and 2).
- c. The pad and road designs are consistent with Ute Tribe specifications.
- d. The pad has been staked at its maximum size of 400 feet x 285 feet with an inboard reserve pit size of 100 feet x 200 feet X 8 feet deep. See section 12.d below for disturbance estimates.
- e. Within the approved well pad location, a crawler tractor would strip whatever topsoil is present and stockpile it along the edge of the well pad for use during reclamation. Vegetation would be distributed along the sides of the well pad.
- f. Fill from pit excavation would be stockpiled along the edge of the pit and the adjacent edge of the well pad.
- g. Use of erosion control measures, including proper grading to minimize slopes, diversion terraces and ditches, mulching, terracing, riprap, fiber matting, temporary sediment traps, and broad-based drainage dips or low water crossings would be employed by BBC as necessary and appropriate to minimize erosion and surface runoff during well pad construction and operation. Cut and fill slopes would be constructed such that stability would be maintained for the life of the activity.
- h. All cut and fill slopes would be such that stability can be maintained for the life of the activity.
- i. Diversion ditches would be constructed, if necessary, around the well site to prevent surface waters from entering the well site area.
- j. Water application may be implemented if necessary to minimize the amount of fugitive dust.
- k. All surface disturbing activities would be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.

10. Plan for Restoration of the Surface:

- a. Site reclamation would be accomplished for portions of the well pad not required for the continued operation of the well on this pad within six months of completion, weather permitting.
- b. The operator would control noxious weeds along access road use authorizations and well site by spraying or mechanical removal. A list of noxious weeds may be obtained from the Ute Tribe, BLM or the appropriate county extension office. On Ute Tribe administered land it is required that a Pesticide Use Proposal be submitted and approved prior to the application of herbicides, pesticides or possibly hazardous chemicals.
- c. Rat and mouse holes would be filled and compacted from bottom to top immediately upon release of the drilling rig from location. Upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1. The reserve pit would be allowed to dry prior to the commencement of backfilling work. No attempts would be made to backfill the reserve pit until it is free of standing water. Once dry, the liner would be torn and perforated before backfilling.
- d. The reserve pit and that portion of the location not needed for production facilities/operations would be recontoured to the approximate natural contours. Areas not used for production purposes would be backfilled and blended into the surrounding terrain, reseeded and erosion control measures installed. Mulching, erosion control measures and fertilization may be required to achieve acceptable stabilization. Back slopes and fore slopes would be reduced as practical and scarified with the contour. The reserved topsoil would be evenly distributed over the slopes and scarified along the contour. Slopes would be seeded with the Ute Tribe specified seed mix.
- e. Topsoil salvaged from the drill site and stored for more than one year would be placed at the location indicated on the well site layout drawing and graded to a depth optimum to maintain topsoil viability, seeded with the Ute Tribe prescribed seed mixture and covered with mulch for protection from wind and water erosion and to discourage the invasion of weeds.

11. Surface and Mineral Ownership:

- a. Surface & Mineral ownership – Ute Indian Tribe - 988 South 7500 East (Annex Building); Ft. Duchesne, Utah 84026; 435-725-4950. Tribal ROWs are pending.

12. Other Information:

- a. Montgomery Archaeological Consultants has conducted a Class III archeological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by Montgomery as MOAC Report No. 10-209, dated November 2, 2010.
- b. BBC would require that their personnel, contractors, and subcontractors to comply with Federal regulations intended to protect archeological and cultural resources.
- c. Project personnel and contractors would be educated on and subject to the following requirements:
 - No dogs or firearms within the Project Area;
 - No littering within the Project Area;
 - Smoking within the Project Area would only be allowed in off-operator active locations or in specifically designated smoking areas. All cigarette butts would be placed in appropriate containers and not thrown on the ground or out windows of vehicles; personnel and contractors would abide by all fire restriction orders;
 - Campfires or uncontained fires of any kind would be prohibited.
 - Portable generators used in the Project Area would have spark arrestors
- d. Disturbance estimates:

Approximate Acreage Disturbances

Well Pad		3.46	acres
Access	1978 feet	--	acres
Pipeline	2043 feet	--	acres
Powerline ¹	2052 feet	7.07	acres
Total		10.5	acres

¹Access road and pipeline disturbances are calculated within the powerline disturbance of 150-ft as they run adjacent to each other.

OPERATOR CERTIFICATION

Certification:

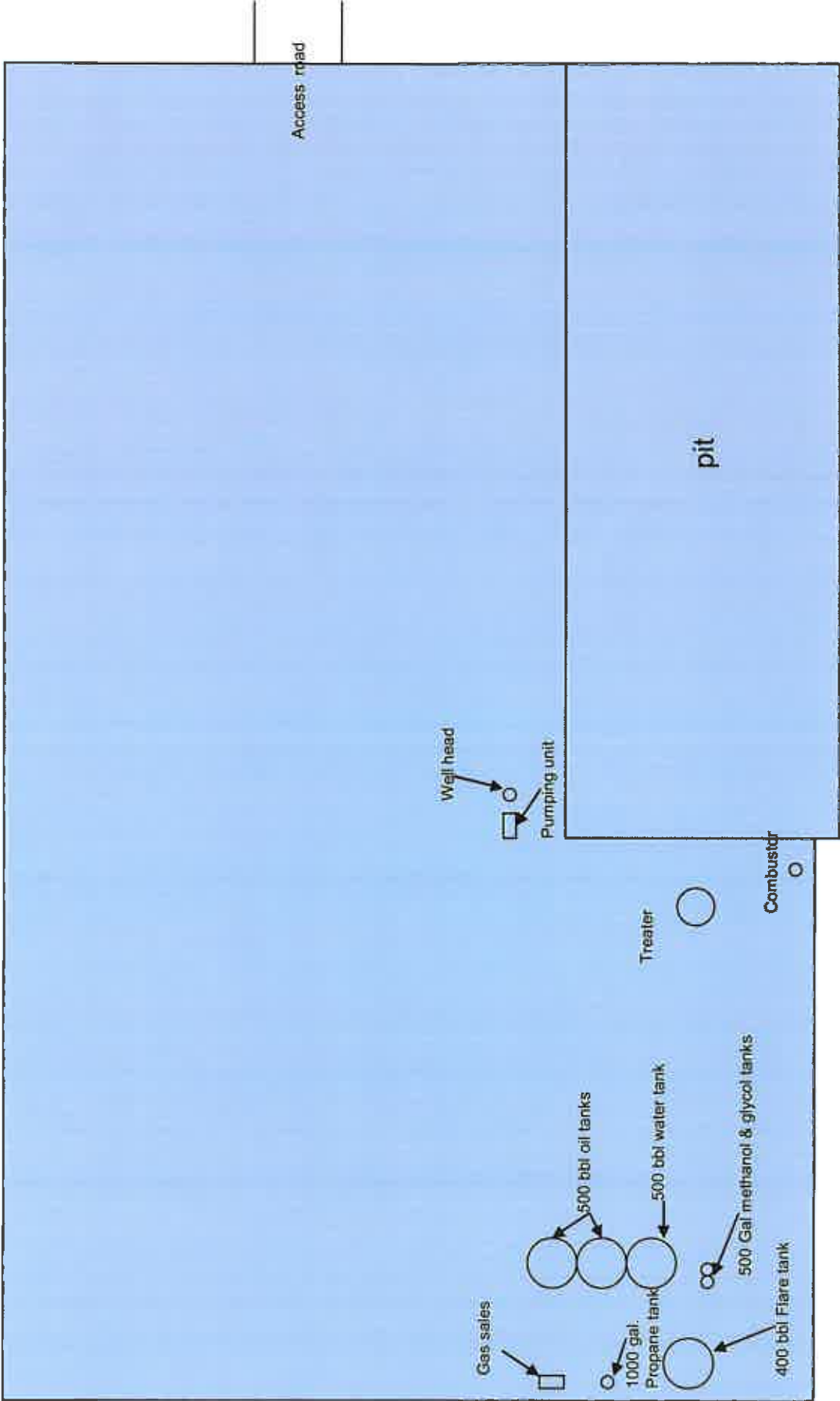
I hereby certify that I, or someone under my direction supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein would be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application and that bond coverage is provided under Bill Barrett Corporations federal nationwide bond. These statements are subject to the provisions of 18 U.S.C. 1001 for the filings of false statements.

Executed this	<u>7</u> day of <u>January</u> 2011
Name:	Elaine Winick
Position Title:	Senior Permit Analyst
Address:	1099 18 th Street, Suite 2300, Denver, CO 80202
Telephone:	303-312-8168
E-mail:	ewinick@billbarrettcorp.com
Field Representative	Kary Eldredge / Bill Barrett Corporation
Address:	1820 W. Highway 40, Roosevelt, UT 84066
Telephone:	435-725-3515 (office); 435-724-6789 (mobile)
E-mail:	keldredge@billbarrettcorp.com



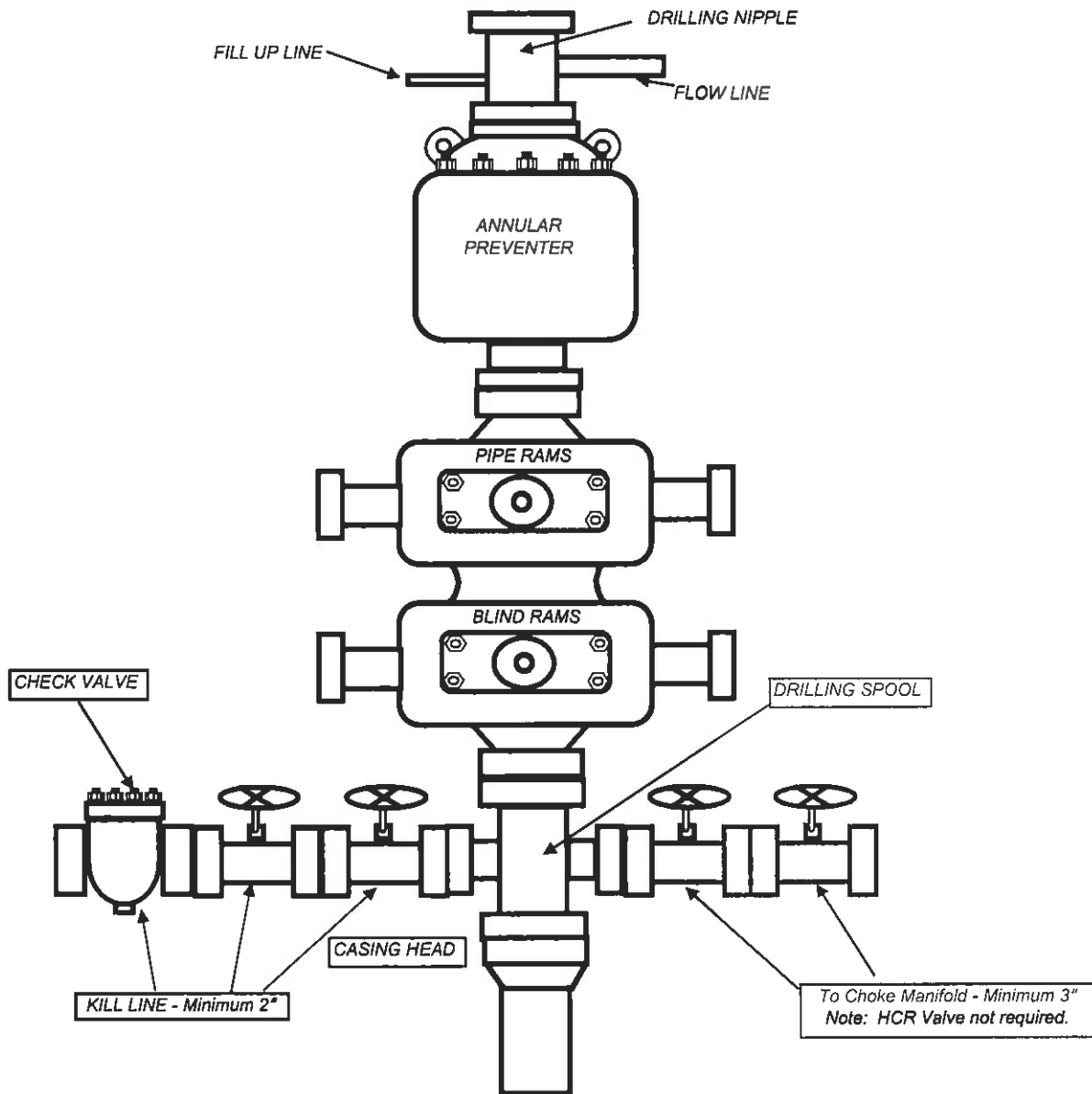
Elaine Winick, Senior Permit Analyst

5-7D-46 BTR Facility Diagram
11/02/2010



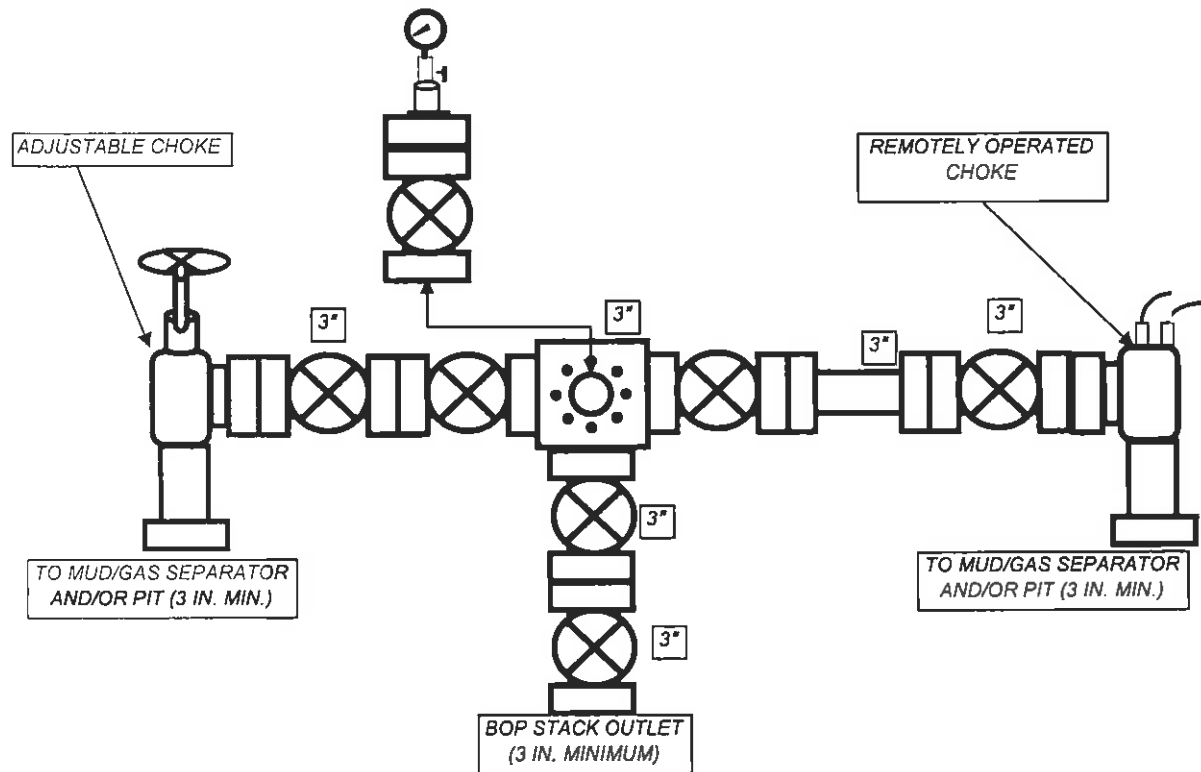
BILL BARRETT CORPORATION

TYPICAL 5,000 p.s.i. BLOWOUT PREVENTER



TYPICAL 5,000 p.s.i. CHOKE MANIFOLD

TYPICAL 5,000 p.s.i. CHOKE MANIFOLD





January 7, 2011

Ms. Diana Mason – Petroleum Technician
State of Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Re: Directional Drilling R649-3-11
Blacktail Ridge Area #5-7D-46 BTR Well
Surface: 2600' FNL & 800' FWL, SWNW, 7-T4S-R6W, USM
Bottom Hole: 1980' FNL & 660' FWL, SWNW, 7-T4S-R6W, USM
Duchesne County, Utah

Dear Ms. Mason,

Pursuant to the filing of Bill Barrett Corporation's ("BBC") Application for Permit to Drill the above referenced well, we hereby submit this letter in accordance with Oil & Gas Conservation Rules R649-2, R649-3, R649-10 and R649-11, pertaining to the Location and Siting of Wells.

- The proposed location is within our Blacktail Ridge Area.
- BBC is permitting this well as a directional well in order to minimize surface disturbance. By locating the well at the surface location and directionally drilling from this location, BBC will be able to utilize the existing road and pipelines in the area.
- The well will be drilled under an Exploration and Development Agreement between the Ute Indian Tribe and Ute Distribution Corporation. Ute Energy, LLC owns a right to participate in this well.
- BBC certifies that it is the working interest owner of all lands within 460 feet of the proposed well location, and together with Ute Energy, LLC, we own 100% of the working interest in these lands.

Based on the information provided, BBC requests that the permit be granted pursuant to R649-3-11. Should you have any questions or need further information, please contact me at 303-312-8544.

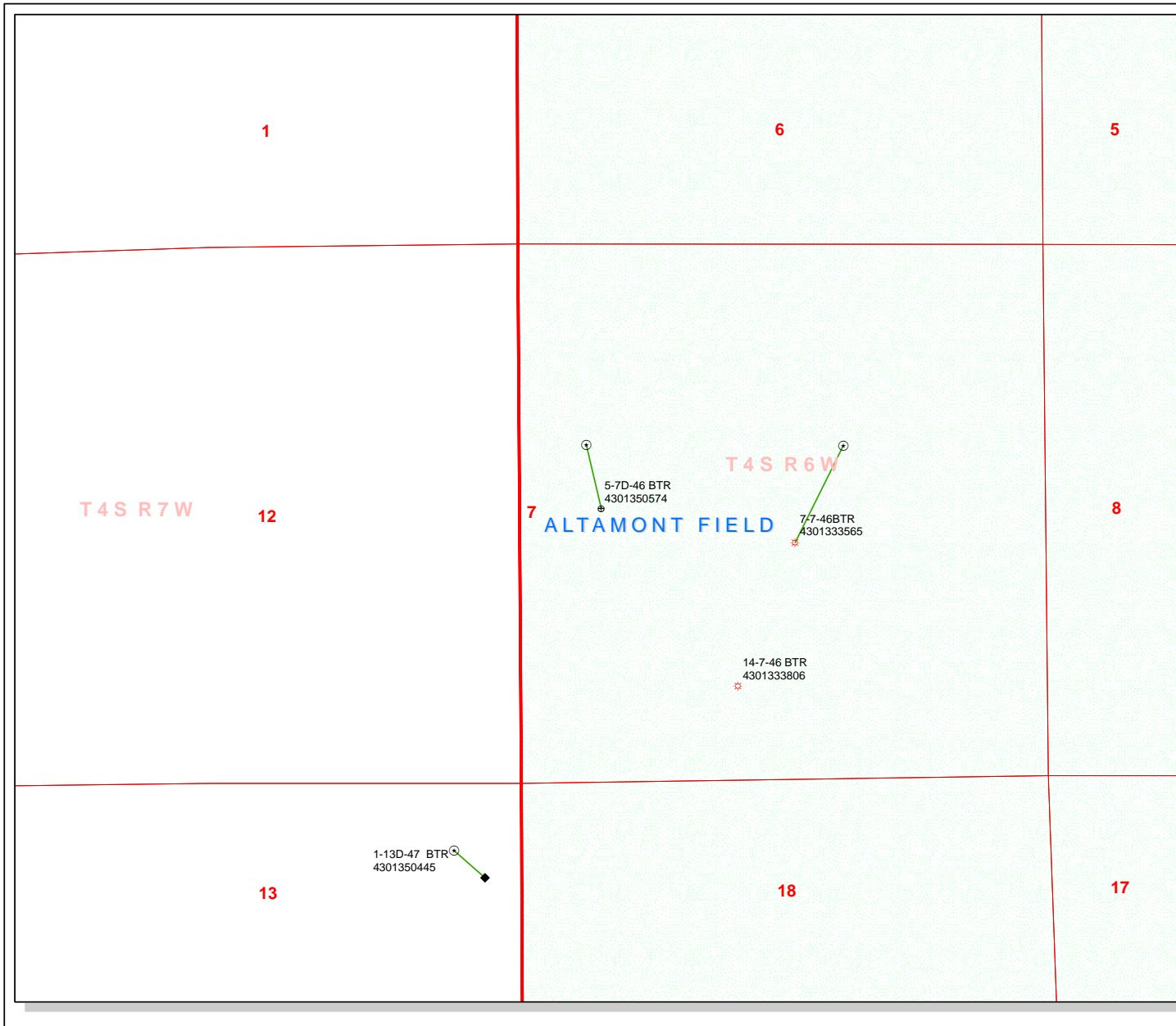
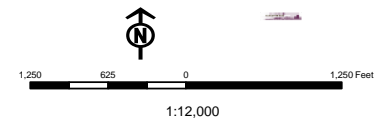
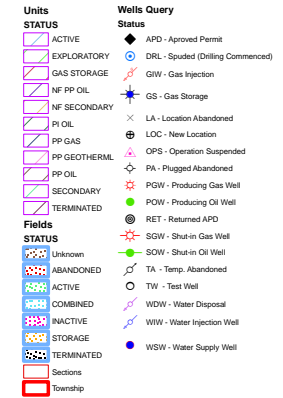
Sincerely,
David Watts by Kew
David Watts
Landman

1099 18TH STREET
SUITE 2300
DENVER, CO 80202
P 303.293.9100
F 303.291.0420

'APIWellNo:43013505740000'

API Number: 4301350574
Well Name: 5-7D-46 BTR
Township 04.0 S Range 06.0 W Section 07
Meridian: UBM
Operator: BILL BARRETT CORP

Map Prepared:
 Map Produced by Diana Mason



WORKSHEET

APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 1/7/2011

WELL NAME: 5-7D-46 BTR

OPERATOR: BILL BARRETT CORP (N2165)

CONTACT: Elaine Winick

API NO. ASSIGNED: 43013505740000

PHONE NUMBER: 303 293-9100

PROPOSED LOCATION: SWNW 07 040S 060W

Permit Tech Review: ☒

SURFACE: 2600 FNL 0800 FWL

Engineering Review: ☐

BOTTOM: 1980 FNL 0660 FWL

Geology Review: ☒

COUNTY: DUCHESNE

LATITUDE: 40.14764

LONGITUDE: -110.61122

UTM SURF EASTINGS: 533115.00

NORTHINGS: 4444007.00

FIELD NAME: ALTAMONT

LEASE TYPE: 2 - Indian

LEASE NUMBER: 14-20-H62-5671

PROPOSED PRODUCING FORMATION(S): GREEN RIVER-WASATCH

SURFACE OWNER: 2 - Indian

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

☒ **PLAT**

☒ **Bond:** INDIAN - LPM 8874725

☐ **Potash**

☐ **Oil Shale 190-5**

☐ **Oil Shale 190-3**

☐ **Oil Shale 190-13**

☒ **Water Permit:** Duchesne City Culinary Water Dock

☐ **RDCC Review:**

☐ **Fee Surface Agreement**

☐ **Intent to Commingle**

Commingle Approved

LOCATION AND SITING:

☐ **R649-2-3.**

Unit:

☐ **R649-3-2. General**

☐ **R649-3-3. Exception**

☒ **Drilling Unit**

Board Cause No: Cause 139-84

Effective Date: 12/31/2008

Siting: 660' Fr Drl U Bdry & 1320' Fr Other Wells

☒ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations: 4 - Federal Approval - dmason
15 - Directional - dmason



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: 5-7D-46 BTR
API Well Number: 43013505740000
Lease Number: 14-20-H62-5671
Surface Owner: INDIAN
Approval Date: 1/13/2011

Issued to:

BILL BARRETT CORP, 1099 18th Street Ste 2300, Denver, CO 80202

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-84. The expected producing formation or pool is the GREEN RIVER-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <https://oilgas.ogm.utah.gov>

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:

A handwritten signature in black ink, appearing to read "John Rogers", written over a horizontal line.

For John Rogers
Associate Director, Oil & Gas

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JAN 11 2011

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

APPLICATION FOR PERMIT TO DRILL OR REENTER

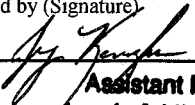
BLM

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. 1420H625671
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator BILL BARRETT CORPORATION Contact: ELAINE WINICK E-Mail: ewinick@billbarrettcorp.com		7. If Unit or CA Agreement, Name and No.
3a. Address 1099 18TH STREET SUITE 2300 DENVER, CO 80202	3b. Phone No. (include area code) Ph: 303-312-8168 Fx: 303-291-0420	8. Lease Name and Well No. 5-7D-46 BTR
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SWNW Lot 2 2600FNL 800FWL At proposed prod. zone SWNW Lot 2 1980FNL 660FWL		9. API Well No. 43 013 50574
14. Distance in miles and direction from nearest town or post office* 14.8 MILES SW OF DUCHESNE, UT		10. Field and Pool, or Exploratory ALTAMONT/WASATCH
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 660 FT	16. No. of Acres in Lease 475.00	11. Sec., T., R., M., or Blk. and Survey or Area Sec 7 T4S R6W Mer UBM
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 2480 FT	19. Proposed Depth 7300 MD 7200 TVD	12. County or Parish DUCHESNE
21. Elevations (Show whether DF, KB, RT, GL, etc.) 6020 GL	22. Approximate date work will start 04/01/2011	13. State UT
		17. Spacing Unit dedicated to this well 160.00
		20. BLM/BIA Bond No. on file LPM8874725
		23. Estimated duration 60 DAYS (D&C)

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature (Electronic Submission)	Name (Printed/Typed) ELAINE WINICK Ph: 303-312-8168	Date 01/07/2011
Title SENIOR PERMIT ANALYST		
Approved by (Signature) 	Name (Printed/Typed) Jerry Kenczka	Date JUN 03 2011
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

Electronic Submission #100225 verified by the BLM Well Information System
For BILL BARRETT CORPORATION, sent to the Vernal
Committed to AFMSS for processing by ROBIN R. HANSEN on 01/12/2011 ()

NOTICE OF APPROVAL

UDOGM

JUN 08 2011

DIV. OF OIL, GAS & MINING

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	Bill Barrett Corporation	Location:	Lot 2, Sec. 7, T4S, R6W (S) Lot 2, Sec. 7, T4S, R6W (B)
Well No:	5-7D-46 BTR	Lease No:	14-20-H62-5671
API No:	43-013-50574	Agreement:	N/A

OFFICE NUMBER: (435) 781-4400
OFFICE FAX NUMBER: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Construction Activity
(Notify Ute Tribe Energy & Minerals Dept.
and BLM Environmental Scientist)

- The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.

Construction Completion
(Notify Ute Tribe Energy & Minerals Dept.
and BLM Environmental Scientist)

- Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig.

Spud Notice
(Notify BLM Petroleum Engineer)

- Twenty-Four (24) hours prior to spudding the well.

Casing String & Cementing
(Notify BLM Supv. Petroleum Tech.)

- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: ut_vn_opreport@blm.gov.

BOP & Related Equipment Tests
(Notify BLM Supv. Petroleum Tech.)

- Twenty-Four (24) hours prior to initiating pressure tests.

First Production Notice
(Notify BLM Petroleum Engineer)

- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

**SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

Additional Stipulations:

Production Equipment will be painted Beetle Green to help blend into the surrounding vegetation.

- On the 5-7D-46 BTR and the 14-5-45 BTR locations, the runoff needs to be diverted around the well pad area as shown on figure 1 of the surveyor's well plat, install two 18 inch culverts along the proposed access route as shown on the Topo B Map of the surveyor's well package.
- See Exhibit One of the approved EA U&O-FY11-Q2-041 for additional mitigation measures that must be followed for each of the proposed well locations.

General Conditions of Approval:

- A 30' foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipelines.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROW's.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.
- Bill Barrett Corporation will implement a "Safety and Emergency Plan." The Company's safety director will ensure its compliance.
- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's, COA's, and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations shall be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- The personnel from the Ute Tribe Energy & Minerals Department shall be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.
- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

**DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

Site Specific Drilling Plan COA's:

1. A CBL/GR shall be run from TD to surface on the production casing or the intermediate casing and liner.
2. Cement for the production or intermediate casing string shall be brought 200 feet above the surface casing shoe.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# Triple A
Submitted By Venessa Langmach Phone Number 303-312-8172
Well Name/Number 5-7D-46 BTR
Qtr/Qtr SW NW Section 7 Township 4S Range 6W
Lease Serial Number 1420H625671
API Number 4301350574

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 8/25/2011 8:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
☐ Intermediate Casing
☐ Production Casing
☐ Liner
☐ Other

RECEIVED

AUG 23 2011

DIV. OF OIL, GAS & MINING

Date/Time _____ AM ☐ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks _____

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-5671
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: 5-7D-46 BTR
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2600 FNL 0800 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 07 Township: 04.0S Range: 06.0W Meridian: U		9. API NUMBER: 43013505740000
9. FIELD and POOL or WILDCAT: ALTAMONT		COUNTY: DUCHESNE
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 8/25/2011	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

 This well was spud on 8/25/2011 at 11:00 am by Triple A Drilling.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A	DATE 8/29/2011	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: Bill Barrett Corporation Operator Account Number: N 2165
Address: 1099 18th Street, Suite 2300
city Denver
state CO zip 80202 Phone Number: (303) 312-8172

Well 1

API Number	Well Name	QQ	Sec	Twp	Rng	County
4301333568	LC Tribal 1H-27-46	NWNW	27	4S	6W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
A	99999	18175	8/25/2011	8/29/11		
Comments: Spudding Operation was conducted by Pete Martin Drilling at 11 am. <u>NHORN = WSTC</u> <u>BHL = SWNW</u>						

Well 2

API Number	Well Name	QQ	Sec	Twp	Rng	County
4301350574	5-7D-46 BTR	SWNW	7	4S	6W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
A	99999	18176	8/25/2011	8/29/11		
Comments: Spudding Operation was conducted by Triple A Drilling at 11 am. <u>GR-WS</u> <u>BHL = SWNW</u>						

Well 3

API Number	Well Name	QQ	Sec	Twp	Rng	County
4301350610	16-6D-45 BTR	SESE	6	4S	5W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
A	99999	18177	8/26/2011	8/29/11		
Comments: Spudding Operation was conducted by Triple A Drilling at 10:00 am. <u>GR-WS</u>						

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

RECEIVED

AUG 29 2011

Venessa Langmacher

Name (Please Print)

Venessa Langmacher

Signature

Sr Permit Analyst

Title

8/29/2011

Date

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-5671
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: 5-7D-46 BTR
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2600 FNL 0800 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 07 Township: 04.0S Range: 06.0W Meridian: U		9. API NUMBER: 43013505740000
9. FIELD and POOL or WILDCAT: ALTAMONT		COUNTY: DUCHESNE
STATE: UTAH		
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 8/31/2011	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
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	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. August 2011 Monthly Drilling Activity Report: well spud.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 9/6/2011	

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# H & P 319
Submitted By Glenn Randel Phone Number 970-623-7078
Well Name/Number #5-7D-46 BTR
Qtr/Qtr SW/NW Section 7 Township 4S Range 6W
Lease Serial Number 1420H625671
API Number 43-013-50574

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

RECEIVED

SEP 07 2011

DIV. OF OIL, GAS & MINING

Date/Time 9/4/11 16:00 AM ☐ PM ☒

BOPE

- ☒ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time 9/5/11 07:30 AM ☒ PM ☐

Remarks _____

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# H&P 319
Submitted By JET LORENZEN Phone Number 970-623-7078
Well Name/Number #5-7D-46 BTR
Qtr/Qtr SW/NW Section 7 Township 4S Range 6W
Lease Serial Number 1420H625671
API Number 43-013-50574

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
☐ Intermediate Casing
☒ Production Casing
☐ Liner
☐ Other

RECEIVED

SEP 13 2011

BLM OF OIL, GAS & MINING

Date/Time 09/12/2011 02:00 AM ☒ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks _____

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9																														
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-5671																														
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Attached is the September 2011 monthly drilling activity report.																																
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY																																
NAME (PLEASE PRINT) Brady Riley		PHONE NUMBER 303 312-8115																														
SIGNATURE N/A		TITLE Permit Analyst																														
		DATE 10/4/2011																														

**5-7D-46 BTR 9/1/2011 06:00 - 9/2/2011 06:00**

API/UWI 43-013-50574	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status	Total Depth (ftKB) 7,350.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	14.00	20:00	1	RIGUP & TEARDOWN	RIGGED DOWN 100%, MOVED 95%, RIGGED UP 20%.
20:00	10.00	06:00	1	RIGUP & TEARDOWN	SHUT DOWN FOR NIGHT.

5-7D-46 BTR 9/2/2011 06:00 - 9/3/2011 06:00

API/UWI 43-013-50574	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status	Total Depth (ftKB) 7,350.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	1	RIGUP & TEARDOWN	MOVE & RIG UP. 100% MOVED, 90% RIGGED UP. ESTIMATE SPUD AROUND NOON.

5-7D-46 BTR 9/3/2011 06:00 - 9/4/2011 06:00

API/UWI 43-013-50574	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status	Total Depth (ftKB) 7,350.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	12.50	18:30	1	RIGUP & TEARDOWN	CONTINUE TO RIG UP. MOVE BHA TO PIPE RACK & STRAP. REPAIR LEAKS ON MUD TANKS. ROUTINE RIG SERVICE. PICK UP 12 1/4 BHA & TAG UP @ 104'.
18:30	2.75	21:15	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 104-319 MAKING DC CONNECTIONS TO 412'. IMMEDIATELY, BUT MOMENTARILY STARTED LOSING MUD. MIXING LCM & BUILDING VOLUME.
21:15	0.25	21:30	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 319-327'.
21:30	1.00	22:30	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 327-442'.
22:30	0.25	22:45	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 442-450'.
22:45	0.50	23:15	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 450-503'.
23:15	0.25	23:30	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 503-510'.
23:30	0.50	00:00	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 510-594'.
00:00	0.25	00:15	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 594-602'.
00:15	2.00	02:15	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 602-779'.
02:15	0.25	02:30	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 779-787'.
02:30	0.75	03:15	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 787-870'.
03:15	0.25	03:30	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 870-878'.
03:30	0.25	03:45	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 878-964'.
03:45	0.25	04:00	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 964-972'.
04:00	0.50	04:30	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 972-1058'.
04:30	0.25	04:45	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 1058-1068'.
04:45	0.50	05:15	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 1068-1154'.
05:15	0.25	05:30	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 1154-1174'.
05:30	0.50	06:00	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 1174-1248'.

5-7D-46 BTR 9/4/2011 06:00 - 9/5/2011 06:00

API/UWI 43-013-50574	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status	Total Depth (ftKB) 7,350.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.75	06:45	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 1248-1268'.
06:45	0.50	07:15	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 1268-1342'.
07:15	0.25	07:30	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 1342-1357'.
07:30	0.75	08:15	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 1357-1437'.
08:15	0.50	08:45	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 1437-1462'.
08:45	0.25	09:00	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 1462-1530' (TD).
09:00	0.50	09:30	5	COND MUD & CIRC	PUMP 50 BBL HIVIS/LCM SWEEP & CIRCULATE BOTTOMS UP. MIX/PUMP SLUG.
09:30	2.50	12:00	6	TRIPS	POH TO TOP OF 8" DC'S (128'). RIH TO 1435'.
12:00	0.50	12:30	5	COND MUD & CIRC	PUMP HIVIS/LCM SWEEP & CIRCULATE HOLE CLEAN. PUMP SLUG.
12:30	0.75	13:15	6	TRIPS	POH TO 132'.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
13:15	1.75	15:00	6	TRIPS	POH & LAY DOWN 8" DC's & SPERRY TOOLS. BIT COND: 1-1-BT-C-X-I-NO-TD (2 CUTTERS BROKEN, 1 IN CONE & 1 ON SHOULDER).
15:00	1.00	16:00	12	RUN CASING & CEMENT	HELD PJSM W/KIMZEY & H&P CREWS. RIG UP LAY DOWN TRUCK & CASING TOOLS/CREW.
16:00	1.50	17:30	12	RUN CASING & CEMENT	MAKE UP & PUMP THRU 1 JT SHOE TRACK. RUN 6 JTS 9 5/8, 36#, J55, STC, R3 CASING.
17:30	1.25	18:45	22	OPEN	CASING COUPLING TAGGED TOP OF RISER & PUSHED IT DOWN ~4" PUTTING FLOWLINE IN A BIND. RIG UP & LIFT RISER BACK TO ORIGINAL POSITION. HELD PJSM W/CASING, LAY DOWN & NEW RIG CREWS.
18:45		18:45	12	RUN CASING & CEMENT	RUN 30 JTS MORE 9 5/8 & LAND W/SOUE @ 1521' & FLOAT COLLAR @ 1474'.
18:45	1.50	20:15	5	COND MUD & CIRC	MOVE LAY DOWN TRUCK FORWARD TO ALLOW HOWCO TO MOVE PAST. CIRCULATE & RECIPROCATATE CASING WHILE RIG DOWN LAY DOWN TRUCK & CASING TOOLS & RIG UP HOWCO CEMENTERS.
20:15	3.00	23:15	12	RUN CASING & CEMENT	TEST LINE. CEMENT CASING. HOWCO PUMPED 20 BBL WATER, 40 BBL SUPERFLUSH 101 @ 10 PPG, 20 BBL WATER, 200 SX (113 BBL) HALCEM @ 11 PPG, 250 SX (59 BBL) HALCEM @ 14.8 PPG. DISPLACED W/112 BBL 8.9 PPG MUD. BUMPED PLUG W/1000 PSI OVER FDP & HELD 10 MIN. BLED OFF 1 BBL & FLOATS HELD. CIP @ 22:58 HRS. OBSERVED 65 BBL CEMENT AT SURFACE. FULL RETURNS THROUGHOUT JOB.
23:15	0.50	23:45	12	RUN CASING & CEMENT	RIG DOWN HOWCO CEMENTERS. WASH OUT CEMENT FROM FLOWLINE & CONDUCTOR.
23:45	6.25	06:00	14	NIPPLE UP B.O.P	SLACK OFF CASING, REMOVE HYDRAULIC SLIPS. LIFT & WASH OUT CONDUCTOR. ROUGH CUT CASING & LAY DOWN CUT-OFF & RISER. FINAL CUT CASING & WELD ON WELLHEAD. TAGGED CEMENT @ 30'. PERFORMED TOP CEMENT JOB W/26 SX (5.5 BBL) CLASS G + 2% BWOC CACL2 @ 15.8 PPG. CEMENT AT SURFACE. CIP @ 04:07 HRS. NIPPLE UP BOPE.

5-7D-46 BTR 9/5/2011 06:00 - 9/6/2011 06:00

API/UWI 43-013-50574	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status	Total Depth (ftKB) 7,350.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.50	08:30	14	NIPPLE UP B.O.P	FINISH NIPPLE UP BOPE. MAKE UP FLOWLINE TO ORBIT VALVE. COMMENCE TESTING TOP DRIVE VALVES. IBOP & MANUAL VALVES TO 250/5000 PSI FOR 5/5 MIN EACH TEST.
08:30	3.25	11:45	15	TEST B.O.P	TEST BOPE: RAMS & BOP VALVES TO 250/5000 PSI FOR 5 MIN EACH TEST. CHOKE MANIFOLD VALVES TO 250/5000 PSI FOR 5 MIN EACH TEST. ANNULAR PREVENTER TO 250/3500 PSI FOR 5 MIN EACH TEST. TEST SAFETY VALVE & GRAY VALVE TO 250/5000 PSI FOR 5 MIN EACH TEST.
11:45	0.25	12:00	14	NIPPLE UP B.O.P	MAKE UP WBRRT & INSTALL WEAR BUSHING.
12:00	3.50	15:30	6	TRIPS	PICK UP SPERRY TOOLS, MAKE UP BIT #2 & RIH TO 1450'.
15:30	0.50	16:00	3	REAMING	WASH 1450-1474' & TAG FLOAT COLLAR. CIRCULATE 5 MIN, CLOSE RAMS & TEST CASING TO 1500 PSI FOR 10 MIN.
16:00	0.75	16:45	3	REAMING	DRILL SHOE TRACK, WASH TO 1530'.
16:45	0.25	17:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 1530-1540'.
17:00	0.25	17:15	22	OPEN	CIRCULATE 5 MIN, CLOSE RAMS & PERFORM FIT TO 10.5 PPG EMW. NO LEAK OFF.
17:15	0.25	17:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 1540-1600' (KOP).
17:30	0.25	17:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 1600-1611' MAKING KICK OFF.
17:45	0.25	18:00	22	OPEN	REMOVE TRIP NIPPLE & INSTALL ROTATING RUBBER.
18:00	0.25	18:15	20	DIRECTIONAL WORK	MWD PROBLEM.
18:15	0.50	18:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 1611-1621'.
18:45	0.25	19:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 1621-1658'.
19:00	0.25	19:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 1658-1678'.
19:15	0.25	19:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 1678-1707'.
19:30	0.25	19:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 1707-1721'.
19:45	0.50	20:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 1721-1755'.
20:15	0.25	20:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 1755-1767'.
20:30	0.25	20:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 1767-1798'.
20:45	0.25	21:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 1798-1812'.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
21:00	0.25	21:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 1812-1847'.
21:15	0.25	21:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 1847-1861'.
21:30	0.25	21:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 1861-1893'.
21:45	0.25	22:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 1893-1907'.
22:00	0.25	22:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 1907-1941'.
22:15	0.25	22:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 1941-1955'.
22:30	0.25	22:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 1955-1987'.
22:45	0.25	23:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 1987-2006'.
23:00	0.25	23:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 2006-2035'.
23:15	0.25	23:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 2035-2053'.
23:30	0.25	23:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 2053-2081'.
23:45	0.25	00:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 2081-2101'.
00:00	0.25	00:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 2101-2129'.
00:15	0.25	00:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 2129-2151'.
00:30	0.25	00:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 2151-2176'.
00:45	0.50	01:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 2176-2194'.
01:15	0.25	01:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 2194-2224'.
01:30	0.25	01:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 2224-2237'.
01:45	0.25	02:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 2237-2270'.
02:00	0.25	02:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 2270-2285'.
02:15	0.25	02:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 2285-2319'.
02:30	0.50	03:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 2319-2339'.
03:00	0.50	03:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 2339-2365'.
03:30	0.25	03:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 2365-2387'.
03:45	0.25	04:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 2387-2412'.
04:00	0.50	04:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 2412-2432'.
04:30	0.25	04:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 2432-2459'.
04:45	0.25	05:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 2459-2469'.
05:00	0.25	05:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 2469-2507'.
05:15	0.25	05:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 2507-2528'.
05:30	0.25	05:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 2528-2553'.
05:45	0.25	06:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 2553-2573'.

5-7D-46 BTR 9/6/2011 06:00 - 9/7/2011 06:00

API/UWI 43-013-50574	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status	Total Depth (ftKB) 7,350.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.25	06:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 2573-2601'.
06:15	0.50	06:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 2601-2611'.
06:45	0.75	07:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 2611-2695'.
07:30	0.50	08:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 2695-2705'.
08:00	0.25	08:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 2705-2742'.
08:15	0.50	08:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 2742-2757'.
08:45	1.00	09:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 2757-2836'.
09:45	0.25	10:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 2836-2846'.
10:00	0.50	10:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 2846-2883'.
10:30	0.50	11:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 2883-2898'.
11:00	0.50	11:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 2898-2930'.
11:30	0.25	11:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 2930-2945'.
11:45	0.50	12:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 2945-2977'.
12:15	0.25	12:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 2977-2992'.
12:30	0.50	13:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 2992-3025'.
13:00	0.50	13:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 3025-3043'.
13:30	0.25	13:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 3043-3072'.
13:45	0.50	14:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 3072-3090'.
14:15	0.25	14:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 3090-3119'.
14:30	0.50	15:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 3119-3135'.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
15:00	0.25	15:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 3135-3166'.
15:15	0.75	16:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 3166-3185'.
16:00	0.25	16:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 3185-3213'.
16:15	0.25	16:30	7	LUBRICATE RIG	ROUTINE RIG SERVICE.
16:30	0.25	16:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 3213-3229'.
16:45	0.25	17:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 3229-3260'.
17:00	0.75	17:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 3260-3276'.
17:45	0.50	18:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 3276-3307'.
18:15	1.00	19:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 3307-3325'.
19:15	0.50	19:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 3325-3354'.
19:45	0.25	20:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 3354-3370'.
20:00	0.50	20:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 3370-3401'.
20:30	0.50	21:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 3401-3417'.
21:00	0.50	21:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 3417-3450'.
21:30	0.75	22:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 3450-3465'.
22:15	0.75	23:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 3465-3543'.
23:00	0.50	23:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 3543-3559'.
23:30	0.50	00:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 3559-3589'.
00:00	0.75	00:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 3589-3607'.
00:45	0.25	01:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 3607-3637'.
01:00	0.75	01:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 3637-3653'.
01:45	0.25	02:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 3653-3684'.
02:00	0.75	02:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 3684-3700'.
02:45	0.25	03:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 3700-3732'.
03:00	0.75	03:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 3732-3748'.
03:45	0.25	04:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 3748-3778'.
04:00	0.75	04:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 3778-3794'.
04:45	0.50	05:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 3794-3826'.
05:15	0.50	05:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 3826-3842'.
05:45	0.25	06:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 3842-3873'. HELD BOP DRILL, 1 MIN RESPONSE.

5-7D-46 BTR 9/7/2011 06:00 - 9/8/2011 06:00

API/UWI 43-013-50574	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status	Total Depth (ftKB) 7,350.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 3873- 4627'. (754' IN 11 HR = 68.5 FPH) SLIDE: 30' I 1.75 HR = 17.2 FPH, ROTATE: 724' IN 9.25 HR = 78.3 FPH. LOST RETURNS @ 4014', BUT RETURNS RESUMED ALMOST IMMEDIATELY. CONTINUED DRILLING AT REDUCED PUMP & ROP. PUMPED 30 BBL 20% LCM PILL.
07:00	0.50	07:30	7	LUBRICATE RIG	RIG SERVICE
07:30	12.50	20:00	2	DRILL ACTUAL	DRLG F/ 4627' TO 5439' (812' IN 12.5 HR = 65 FPH) SLIDE:164' IN 7.25 HR = 22.6 FPH, ROTATE: 648' IN 5.25 HR = 123.4 FPH. 33.2' F/ CENTER.

5-7D-46 BTR 9/8/2011 06:00 - 9/9/2011 06:00

API/UWI 43-013-50574	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status	Total Depth (ftKB) 7,350.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.50	16:30	2	DRILL ACTUAL	DRLG F/ 5439' TO 5720' (281' IN 10.5 HR = 26.8 FPH) SLIDE: 113' IN 7 HR = 16.2 FPH, ROTATE: 168' IN 3.5 HR = 48 FPH. HAVING TO SLIDE 40' OUT OF EVERY 90' TO HOLD ANGLE. HARD TO HOLD TOOL FACE. TRIP F/ SHARP BIT.
16:30	0.50	17:00	7	LUBRICATE RIG	RIG SERVICE
17:00	5.25	22:15	6	TRIPS	TOOH, X/O BIT TIH
22:15	0.25	22:30	5	COND MUD & CIRC	FILL PIPE WASH 45' TO BOTTOM
22:30	7.50	06:00	2	DRILL ACTUAL	DRLG F/ 5720' TO 6099' (379' IN 7.5 HR = 50.5 FPH) SLIDE: 78' IN 4 HR = 19.5 FPH, ROTATE: 301' IN 3.5 HR = 86 FPH. MM 63/4" SPERRY DRILL 7/8 LOBE 2.9 STAGE .17 GPR 1.5 DEGREE FIXED BTB 4.88'. GOT 3000 UNITS GAS @ 6038' RAISE MUD WT TO 9.3# STARTED LOSING MUD SLOWLY. MIXING LCM STILL SHAKING OUT.

**5-7D-46 BTR 9/9/2011 06:00 - 9/10/2011 06:00**

API/UWI 43-013-50574	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status	Total Depth (ftKB) 7,350.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.00	16:00	2	DRILL ACTUAL	DRLG F/ 6099' TO 6701' (602' IN 10 HR = 60.2 FPH) SLIDE: 91' IN 4.25 HR = 20.2 FPH, ROTATE: 511' IN 5.75 HR = 88.9 FPH. M 63/4" SPERRY DRILL 7/8 LOBE 2.9 STAGE .17 GPR 1.5 DEGREE FIXED BTB 4.88'.
16:00	0.50	16:30	7	LUBRICATE RIG	RIG SERVICE
16:30	9.00	01:30	2		DRLG F/ 6701' TO 7350' (649' IN 9 HR = 72.1 FPH) SLIDE: 103.' IN 3.25 HR = 31.7, ROTATE:549' IN 5.75 HR = 94.9 FPH.
01:30	0.50	02:00	5	COND MUD & CIRC	PUMP SAWDUST SWEEP.
02:00	1.25	03:15	6	TRIPS	SHORT TRIP 20 STDS.
03:15	1.00	04:15	5	COND MUD & CIRC	CIRC.
04:15	1.75	06:00	6	TRIPS	TOOH F/ LOGS

5-7D-46 BTR 9/10/2011 06:00 - 9/11/2011 06:00

API/UWI 43-013-50574	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status	Total Depth (ftKB) 7,350.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	6	TRIPS	TOOH, L/D REAMERS, EM TOOL AND INDEX SUB, ANNTENA SUB.
07:30	5.25	12:45	11	WIRELINE LOGS	HSM W/ HES RIG UP AND LOG. QUAD COMBO. LOGERS TD 7315' DRILLERS TD 7350'.
12:45	0.50	13:15	14	NIPPLE UP B.O.P	PULL WEAR BUSHING
13:15	3.75	17:00	6		TIH
17:00	0.50	17:30	1	RIGUP & TEARDOWN	RIG SERVICE
17:30	12.50	06:00	8	REPAIR RIG	BEARING IN TRACKTION MOTOR ON DRAWWORKS WENT OUT WO NEW MOTOR. SHOULD TAKE 24 HRS TO CHANGE

5-7D-46 BTR 9/11/2011 06:00 - 9/12/2011 06:00

API/UWI 43-013-50574	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status	Total Depth (ftKB) 7,350.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.25	07:15	8	REPAIR RIG	WO TRACKTION MOTOR
07:15	0.50	07:45	7	LUBRICATE RIG	RIG SERVICE
07:45	1.00	08:45	5	COND MUD & CIRC	TIH 2 STDS CIRC. BOTTOMS UP
08:45	5.25	14:00	6	TRIPS	HSM, RIG UP WEATHERFORD LDDP AND DCS
14:00	8.00	22:00	12		HSM, RIG UP WEATHERFORD AND RUN CASING. FS (1.00') SHOE JT (44.05), FC (1.00) 169 JT 5 1/2" 17# P110 LT&C CASING (7294'). LANDED @ 7337'. MADE UP W/ BESTOLIFE DOPE TO 4620 FT/LBS.
22:00	1.00	23:00	5	COND MUD & CIRC	CIRC. COND F/ CEMENT.
23:00	2.50	01:30	12	RUN CASING & CEMENT	HSM, RIG UP HES AND CEMENT. 5 BLS H2O, 40 BLS SUPER FLUSH, 5 BLS H2O, 595 SKS TUNED LIGHT 11# 2.33 YEILD W/ 5 LB SILICALITE, 10 LB SCOTCHLITE, .35 LB HALAD 322, .5 LB D-AIR, .7 LB HR-5, 5 LB BENTONITE, .125 LB POLY-E-FLAKE, 1 LB GRANULITE. TAILED W/ 505 SKS ECONOCHEM 13.5# 1.42 YEILD W/ 2% BENTONITE, 3% POTASSIUM CLORIDE, .75% HALAD-322, .2% FWCA, .3% SUPER CBL, .125 LB POLY-E-FLAKE, 1 LB GRANULITE. DISPLACED W/ 169 BLS CLA-WEB H2O. BUMP PLUG FLOATS HELD. GOOD RETURNS ON WHOLE JOB. 19 BLS CEMENT TO SURFACE.
01:30	4.50	06:00	14	NIPPLE UP B.O.P	NIPPLE DN SET SLIPS W/ 160 K. CLEAN MUD TANKS RIG RELEASE 06:00 HR 9/12/11

5-7D-46 BTR 9/15/2011 06:00 - 9/16/2011 06:00

API/UWI 43-013-50574	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status	Total Depth (ftKB) 7,350.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Production Crews Begin Work On Facilities, Spotted Treater And Combustor, Trenched For Sales Line, Filled Cellar And RatHole With Gravel

5-7D-46 BTR 9/16/2011 06:00 - 9/17/2011 06:00

API/UWI 43-013-50574	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status	Total Depth (ftKB) 7,350.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.50	08:30	GOP	General Operations	Arrive On Loc., Build OutSide Berm For Storage Tanks, Prod. Crews Working On Facilities
08:30	2.00	10:30	GOP	General Operations	Safety Meeting With WellHead Crew. 0 psi on 5 1/2' csg., 0 Psi On Surface Casing. Removed 11" Night Cap Flange, Dressed 5 1/2' Csg Top, Installed 11" x 7 1/16" 5k B-section with 2- 2 1/16" 5k Gate Valves, N/U Flange, Pressure Test Hanger Seals To 5800 Psi. Good Test. Installed Tree Cap, Secured Wellhead.
10:30	0.25	10:45	GOP	General Operations	Begin Bringing In Tank Battery And Spot In Place
10:45	4.75	15:30	CTUW	W/L Operation	SLB W/L Crew MIRU, Hold Safety Meeting., R/U E-Line Equipment, P/Up 4.65' Gauge Ring & Junk Basket, RIH tag PBTD @ 7196', Float Collar At 7291'. Unable To Reach TD Do To Cement/ Fill In Hole, 95' Of Fill. Talked To Engineer In Denver, Bottom Perf. Is 7150', Will Not Have To C/O Until Fracs Are Finished. POOH With Junk Basket And G/R. P/U CBL/CCL/GR Logging Tools, RIH to PBTD @ 7194', Ran Tie In Pass From 7170' to 6970' Completed Tie In To Open Hole Log, HES Spectral Density/ Dual Spaced Neutron Dated 09/10/2011, Ran Main Pass From 7196' To 90'. Good Cement From 7196' to 3000', Poor To Very Poor To 290', TOC - 290', Located 3 short jts @ 6468' to 6490', 5620' to 5642', 4768' to 4788'.
15:30	2.50	18:00	GOP	General Operations	Production Crews Con't Construction Of Production Facilities
18:00	12.00	06:00	DTIM	Downtime	SDFD, WSI Capped And Secured

5-7D-46 BTR 9/17/2011 06:00 - 9/18/2011 06:00

API/UWI 43-013-50574	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status	Total Depth (ftKB) 7,350.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Production Crews Con't Construction Of Facilities, Start Bringing In Tanks, Spot FracLine

5-7D-46 BTR 9/18/2011 06:00 - 9/19/2011 06:00

API/UWI 43-013-50574	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status	Total Depth (ftKB) 7,350.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Set Frac mandrel and frac tree, pressure tested casing to 500 low and 8500 psi high, held high test for 30 minutes on remote panel, Good test. Continued to move in frac tanks. Started filling 3% kcl tank and produce water tanks. Construction crew are still in the process of building production facilities.

5-7D-46 BTR 9/19/2011 06:00 - 9/20/2011 06:00

API/UWI 43-013-50574	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status	Total Depth (ftKB) 7,350.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Well shut in and secured. Set flow back and storage tanks, set water transfer lines. Still work on production equipment.

5-7D-46 BTR 9/20/2011 06:00 - 9/21/2011 06:00

API/UWI 43-013-50574	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status	Total Depth (ftKB) 7,350.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Well shut in and secured. Construction crews are installing pipe line. Built berms around flow back and storage tanks, installed flow back equipment. Set water manifold. Hauled in 20% Slurry. Set light plants.

5-7D-46 BTR 9/22/2011 06:00 - 9/23/2011 06:00

API/UWI 43-013-50574	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status	Total Depth (ftKB) 7,350.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	LOCL	Lock Wellhead & Secure	WSI And Secured, Hold Safety Meeting With Delsco FlowBack Hands And Cable Testers.
06:30	0.75	07:15	PTST	Pressure Test	Pressure Test FlowBack Iron From Frac Tree To 2" Balon Valve At FlowBack Tank To 5000 Psi.
07:15	1.00	08:15	SRIG	Rig Up/Down	MIRU SLB W/L Crew And Equipment. Hold Safety Meeting, Rig - Up Lubricator.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
08:15	0.75	09:00	PTST	Pressure Test	Rig-Up Bop's And Lubricator To Frac Tree. Pressure Test Lubricator To 4500#'s. Good Test. Arm Gun. N/U To Well.
09:00	1.50	10:30	PFRT	Perforating	RIH With 3 1/8" PJ Omega Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes .Correlating To HES Spectral Density/ Dual Spaced Neutron And SLB CBL/CCL, Found And Correlated To Marker Joints At 4768 - 4788', 5620 - 5642' And 6468 - 6490'. Drop Down To Depth And Shoot Stage 1 CR-6/CR-5 Zone As Follows; 6983 - 6984, 6995 - 6996, 7017 - 7018, 7033 - 7034, 7046 - 7047, 7059 - 7060, 7074 - 7075, 7088 - 7089, 7100 - 7101, 7115 - 7116, 7135 - 7136, 7153 - 7154, 7177 - 7178. 39 Holes. POOH. Verify On Surface All Shots Fired, LD Spent Gun. WSI And Secured.
10:30	5.50	16:00	SRIG	Rig Up/Down	HES Arrived On Location At 1000 Hrs., Rigged Up Equipment And Treating Iron.
16:00	14.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. SDFD.

5-7D-46 BTR 9/23/2011 06:00 - 9/24/2011 06:00

API/UWI 43-013-50574	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status	Total Depth (ftKB) 7,350.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	LOCL	Lock Wellhead & Secure	HES Arrive On Location At 0500 Hrs., Start Equipment, Prime Up Chemicals, And HHP, Quality Check On Fluids, Pressure Test To 9000#'S
06:30	0.50	07:00	SMTG	Safety Meeting	Meet With Contractors Present On Location, Talk About Red Zone, Communication, Traffic On Location, Pressure, And Attitude.
07:00	1.43	08:25	FRAC	Frac. Job	Stage 1 CR-6/CR-5 Frac. Open Well, 60 Psi ICP. Achieved BreakDown At 4.8 Bpm And 2523 Psi., Pumped 3900 Gals. 15% HCL While Dropping 78 Bio Balls. Flush Balls Away With 3% KCL To 10 Bbls. Over Bottom Perf. Volume, Saw Good Ball Action, S/D For 15 Min. After Surging Three Times To Let Balls Fall. Pumped 3% KCL Pad, S/D For ISIP After Stabilized Rate Of 58.5 Bpm And Pressure 5561 Psi., Isip 1699 Psi., .68 F.G., 11/39 Holes Open. Pumped 5 XL Stages With Hybor G 16 Fluid, .75# 100 Mesh, 2#, 3.0#, 3.5# And 4# 20/40 White Sand, 150#'s Scale Inhibitor Pumped In 2# Stage, SawGood XL(Maintained 20#) Throughout. Flush With 3% KCL 15 Bbls. Over Bottom Perf Volume. Pumped 124,290 Gals. 59,278 Gals. Was X Link Fluid. 8,800#'s 100 Mesh And 143,100#'s 20/40 White Sand.Total Load To Recover 3124 Bbls.. ISDP 2002 Psi., .72 F.G., Max Rate 71.1 Bpm Max Pressure 7187 Psi. Avg Rate 70.5 Bpm Avg. Pressure 4966 Psi. WSI And Secured. Turn Over To W/L.
08:25	0.58	09:00	CTUW	W/L Operation	Turned Over To WireLine, Arm Gun, P/U And N/U Baker 20 Setting Tool With HES FAS Drill CBP, Hook Up To WellHead, Top Frac Wwas Not Open All The Way During Frac. Able To Get Open Full, Will Need Swapped Out. HES Released For Day. Equalize With Cable. Open Well.
09:00	3.25	12:15	PFRT	Perforating	RIH With 3 1/8" PJ Omega Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes .Correlating To HES Spectral Density/ Dual Spaced Neutron And SLB CBL/CCL, Found And Correlated To Marker Joints At 4768 - 4788', 5620 - 5642' And 6468 - 6490'. Drop Down To Depth, Set CBP At 6978', Pull Up And Shoot Stage 2 CR-5 Zone As Follows; 6744 - 6745, 6756 - 6757, 6767 - 6768, 6778 - 6779, 6791 - 6792, 6803 - 6804, 6823 - 6824, 6838 - 6839, 6863 - 6864, 6875 - 6876, 6903 - 6904, 6926 - 6927, 6954 - 6955. 39 Holes. POOH. Verify On Surface All Shots Fired, LD Spent Gun. WSI And Secured. Made Two Runs, Misfire On CBP On First Run In. Detonator Pin Grounded Out.
12:15	5.75	18:00	RWHD	Remove Wellhead	Bottom Valve Shut In, Nipple Down Goat Head And Top Frac Valve, Wait On Replacement Valve, Coming Out Of Grand Junction, Colo.
18:00	2.50	20:30	IWHD	Install Wellhead	Nipple Up New Valve And Goat Head, Torque Down Bolts, Test Upper Half Of Tree To 8500#, Good Test.
20:30	9.50	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. SDFD.

5-7D-46 BTR 9/24/2011 06:00 - 9/25/2011 06:00

API/UWI 43-013-50574	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status	Total Depth (ftKB) 7,350.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	GOP	General Operations	HES Arrive On Location At 0500 Hrs., Start Equipment, Prime Up Chemicals, And HHP, Quality Check On Fluids, Hook Back Up To Well. Pressure Test To 9000#'S
06:30	0.42	06:55	SMTG	Safety Meeting	Meet With Contractors Present On Location, Talk About Red Zone, Communication, Traffic On Location, Pressure, And Verifying Turns On WellHead Valve.



Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:55	1.50	08:25	FRAC	Frac. Job	Stage 2 CR-5 Frac. Open Well, 1489 Psi ICP. Achieved BreakDown At 6.5 Bpm And 2791 Psi., Pumped 3900 Gals. 15% HCL While Dropping 78 Bio Balls. Flush Balls Away With 3% KCL To 10 Bbls. Over Bottom Perf. Volume, Saw Good Ball Action, S/D For 15 Min. After Surging Three Times To Let Balls Fall. Pumped 3% KCL Pad, S/D For ISIP After Stabilized Rate Of 69.5 Bpm And Pressure 3250 Psi., Isip 1769 Psi., .70 F.G., 23/39 Holes Open. Pumped 5 XL Stages With Hybor G 16 Fluid, .75# 100 Mesh, 2#, 3.0#, 3.5# And 4# 20/40 White Sand, 150#'s Scale Inhibitor Pumped In 2# Stage, SawGood XL(Maintained 20#) Throughout. Flush With 3% KCL 15 Bbls. Over Bottom Perf Volume. Pumped 143,570 Gals. 68,703 Gals. Was X Link Fluid. 11,000#'s 100 Mesh And 166,600#'s 20/40 White Sand.Total Load To Recover 3519 Bbls.. ISDP 1847 Psi., .71 F.G., Max Rate 72.3 Bpm Max Pressure 3512 Psi. Avg Rate 70.5 Bpm Avg. Pressure 2873 Psi. WSI And Secured. Turn Over To W/L.
08:25	0.25	08:40	CTUW	W/L Operation	Turned Over To WireLine, Arm Gun, P/U And N/U Baker 20 Setting Tool With HES FAS Drill CBP, Hook Up To WellHead, Equalize With Cable. Open Well.
08:40	2.08	10:45	PFRT	Perforating	RIH With 3 1/8" PJ Omega Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes .Correlating To HES Spectral Density/ Dual Spaced Neutron And SLB CBL/CCL, Found And Correlated To Marker Joints At 4768 - 4788', 5620 - 5642' And 6468 - 6490'. Drop Down To Depth, Set CBP At 6738', Pull Up And Shoot Stage 3 CR-4/CR-3 Zone As Follows; 6487 - 6488, 6500 - 6501, 6513 - 6514, 6524 - 6525, 6534 - 6535, 6543 - 6544, 6553 - 6554, 6564 - 6565, 6573 - 6574, 6589 - 6590, 6600 - 6601, 6614 - 6615, 6636 - 6637, 6649 - 6650, 6674 - 6675, 6690 - 6691, 6704 - 6705, 6718 - 6719. 54 Holes. POOH. Verify On Surface All Shots Fired, LD Spent Gun. WSI And Secured. Shot Zone In Two Runs. Number Of Guns Created Too Much Gun Length.
10:45	0.25	11:00	GOP	General Operations	Well Turned Over To HES. Pressure Test To 9000#, Equalize To Well Pressure, Open Up To Well.
11:00	1.50	12:30	FRAC	Frac. Job	Stage 3 CR-4/CR-3 Frac. Open Well, 1550 Psi ICP. Achieved BreakDown At 9.1 Bpm And 1743 Psi., Pumped 3900 Gals. 15% HCL While Dropping 78 Bio Balls. Flush Balls Away With 3% KCL To 10 Bbls. Over Bottom Perf. Volume, Saw Good Ball Action, S/D For 15 Min. After Surging Three Times To Let Balls Fall. Pumped 3% KCL Pad, S/D For ISIP After Stabilized Rate Of 70.4 Bpm And Pressure 2858 Psi., Isip 1743 Psi., .71 F.G., 29/54 Holes Open. Pumped 5 XL Stages With Hybor G 16 Fluid, .75# 100 Mesh, 2#, 3.0#, 3.5# And 4# 20/40 White Sand, 150#'s Scale Inhibitor Pumped In 2# Stage, SawGood XL(Maintained 20#) Throughout. Flush With 3% KCL 15 Bbls. Over Bottom Perf Volume. Pumped 150,384 Gals. 76,549 Gals. Was X Link Fluid. 11,300#'s 100 Mesh And 184,400#'s 20/40 White Sand.Total Load To Recover 3870 Bbls.. ISDP 1950 Psi., .74 F.G., Max Rate 74.7 Bpm Max Pressure 4671 Psi. Avg Rate 70.5 Bpm Avg. Pressure 2629 Psi. WSI And Secured. Turn Over To W/L.
12:30	0.25	12:45	CTUW	W/L Operation	Turned Over To WireLine, Arm Gun, P/U And N/U Baker 20 Setting Tool With HES FAS Drill CBP, Hook Up To WellHead, Equalize With Cable. Open Well.
12:45	1.17	13:55	PFRT	Perforating	RIH With 3 1/8" PJ Omega Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes .Correlating To HES Spectral Density/ Dual Spaced Neutron And SLB CBL/CCL, Found And Correlated To Marker Joints At 4768 - 4788' And 5620 - 5642'. Drop Down To Depth, Set CBP At 6476', Pull Up And Shoot Stage 4 CR-3 Zone As Follows; 6229 - 6230, 6256 - 6257, 6282 - 6283, 6300 - 6301, 6323 - 6324, 6340 - 6341, 6353 - 6354, 6363 - 6364, 6377 - 6378, 6397 - 6398, 6411 - 6412, 6429 - 6430, 6447 - 6448. 39 Holes. POOH. Verify On Surface All Shots Fired, LD Spent Gun. WSI And Secured.
13:55	1.08	15:00	GOP	General Operations	HES And SLB ShutDown And Secure Equipment. Refill Water On Location And Staging Area, Refill Sand Movers, Reheat Water On Staging Area.
15:00	15.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured, SDFD.

5-7D-46 BTR 9/25/2011 06:00 - 9/26/2011 06:00

API/UWI 43-013-50574	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status	Total Depth (ftKB) 7,350.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.04	06:02	GOP	General Operations	HES Arrive On Location At 0500 Hrs., Start Equipment, Prime Up Chemicals, And HHP, Quality Check On Fluids. Pressure Test To 9000#'S
06:02	0.13	06:10	SMTG	Safety Meeting	Meet With Contractors Present On Location, Talk About Red Zone, Communication, Traffic On Location, Pressure, And Verifying Turns On WellHead Valve.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:10	1.33	07:30	FRAC	Frac. Job	Stage 4 CR-3 Frac. Open Well, 1362 Psi ICP. Achieved BreakDown At 9.7 Bpm And 1724 Psi., Pumped 3900 Gals. 15% HCL While Dropping 78 Bio Balls. Flush Balls Away With 3% KCL To 10 Bbls. Over Bottom Perf. Volume, Saw Good Ball Action, S/D For 15 Min. After Surging Three Times To Let Balls Fall. Pumped 3% KCL Pad, S/D For ISIP After Stabilized Rate Of 71.5 Bpm And Pressure 3600 Psi., Isip 1566 Psi., .69 F.G., 21/39 Holes Open. Pumped 5 XL Stages With Hybor G 16 Fluid, .75# 100 Mesh, 2#, 3.0#, 3.5# And 4# 20/40 White Sand, 150#'s Scale Inhibitor Pumped In 2# Stage, SawGood XL(Maintained 20#) Throughout. Flush With 3% KCL 15 Bbls. Over Bottom Perf Volume. Pumped 130,872 Gals. 64,843 Gals. Was X Link Fluid. 9,700#'s 100 Mesh And 156,700#'s 20/40 White Sand.Total Load To Recover 3325 Bbls.. ISDP 1895 Psi., .74 F.G., Max Rate 71.1 Bpm Max Pressure 3499 Psi. Avg Rate 70.9 Bpm Avg. Pressure 2793 Psi. WSI And Secured. Turn Over To W/L.
07:30	0.34	07:50	CTUW	W/L Operation	Turned Over To WireLine, Arm Gun, P/U And N/U Baker 20 Setting Tool With HES FAS Drill CBP, Hook Up To WellHead, Equalize With Cable. Open Well.
07:50	1.08	08:55	PFRT	Perforating	RIH With 3 1/8" PJ Omega Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes .Correlating To HES Spectral Density/ Dual Spaced Neutron And SLB CBL/CCL, Found And Correlated To Marker Joints At 4768 - 4788' And 5620 - 5642'. Drop Down To Depth, Set CBP At 6220', Pull Up And Shoot Stage 5 CR-2/Wasatch Zone As Follows; 5959 - 5960, 5969 - 5970, 5981 - 5982, 5999 - 6000, 6011 - 6012, 6022 - 6023, 6040 - 6041, 6063 - 6064, 6082 - 6083, 6107 - 6108, 6122 - 6123, 6157 - 6158, 6200 - 6201. 39 Holes. POOH. Verify On Surface All Shots Fired, LD Spent Gun. WSI And Secured.
08:55	0.17	09:05	GOP	General Operations	Well Turned Over To HES. Pressure Test To 9000#, Equalize To Well Pressure, Open Up To Well.
09:05	1.33	10:25	FRAC	Frac. Job	Stage 5 CR-2/Wasatch Frac. Open Well, 1500 Psi ICP. Achieved BreakDown At 9.5 Bpm And 2353 Psi., Pumped 3900 Gals. 15% HCL While Dropping 78 Bio Balls. Flush Balls Away With 3% KCL To 10 Bbls. Over Bottom Perf. Volume, Saw Good Ball Action, S/D For 15 Min. After Surging Three Times To Let Balls Fall. Pumped 3% KCL Pad, S/D For ISIP After Stabilized Rate Of 70.0 Bpm And Pressure 3500 Psi., Isip 1545 Psi., .70 F.G., 21/39 Holes Open. Pumped 5 XL Stages With Hybor G 16 Fluid, .75# 100 Mesh, 2#, 3.0#, 3.5# And 4# 20/40 White Sand, 150#'s Scale Inhibitor Pumped In 2# Stage, SawGood XL(Maintained 20#) Throughout. Flush With 3% KCL 15 Bbls. Over Bottom Perf Volume. Pumped 129,567 Gals. 65,374 Gals. Was X Link Fluid. 9,600#'s 100 Mesh And 158,300#'s 20/40 White Sand.Total Load To Recover 3320 Bbls.. ISDP 1777 Psi., .73 F.G., Max Rate 70.8 Bpm Max Pressure 3115 Psi. Avg Rate 70.6 Bpm Avg. Pressure 2697 Psi. WSI And Secured. Turn Over To W/L.
10:25	0.17	10:35	CTUW	W/L Operation	Turned Over To WireLine, Arm Gun, P/U And N/U Baker 20 Setting Tool With HES FAS Drill CBP, Hook Up To WellHead, Equalize With Cable. Open Well.
10:35	1.08	11:40	PFRT	Perforating	RIH With 3 1/8" PJ Omega Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes .Correlating To HES Spectral Density/ Dual Spaced Neutron And SLB CBL/CCL, Found And Correlated To Marker Joints At 4768 - 4788' And 5620 - 5642'. Drop Down To Depth, Set CBP At 5934', Pull Up And Shoot Stage 6 Wasatch/CR-1 Zone As Follows; 5669 - 5670, 5679 - 5680, 5703 - 5704, 5725 - 5726, 5745 - 5746, 5758 - 5759, 5768 - 5769, 5779 - 5780, 5798 - 5799, 5813 - 5814, 5828 - 5829, 5885 - 5886, 5906 - 5907. 39 Holes. POOH. Verify On Surface All Shots Fired, LD Spent Gun. WSI And Secured.
11:40	0.08	11:45	GOP	General Operations	Well Turned Over To HES. Pressure Test To 9000#, Equalize To Well Pressure, Open Up To Well.
11:45	1.50	13:15	FRAC	Frac. Job	Stage 6 Wasatch/CR-1 Frac. Open Well, 1515 Psi ICP. Achieved BreakDown At 9.4 Bpm And 1884 Psi., Pumped 3900 Gals. 15% HCL While Dropping 78 Bio Balls. Flush Balls Away With 3% KCL To 10 Bbls. Over Bottom Perf. Volume, Saw Good Ball Action, S/D For 15 Min. After Surging Three Times To Let Balls Fall. Pumped 3% KCL Pad, S/D For ISIP After Stabilized Rate Of 70.0 Bpm And Pressure 3992 Psi., Isip 1493 Psi., .70 F.G., 18/39 Holes Open. Pumped 6 XL Stages With Hybor G 16 Fluid, 1# 100 Mesh, 1#, 2#, 3.0#, 3.5# And 4# 20/40 White Sand, 150#'s Scale Inhibitor Pumped In 2# Stage, SawGood XL(Maintained 20#) Throughout. Flush With 3% KCL 15 Bbls. Over Bottom Perf Volume. Pumped 141,105 Gals. 79,983 Gals. Was X Link Fluid. 15,000#'s 100 Mesh And 165,500#'s 20/40 White Sand.Total Load To Recover 3519 Bbls.. ISDP 1797 Psi., .75 F.G., Max Rate 70.4 Bpm Max Pressure 3493 Psi. Avg Rate 69.5 Bpm Avg. Pressure 2924 Psi. WSI And Secured. Turn Over To W/L.
13:15	0.25	13:30	CTUW	W/L Operation	Turned Over To WireLine, Arm Gun, P/U And N/U Baker 20 Setting Tool With HES FAS Drill CBP, Hook Up To WellHead, Equalize With Cable. Open Well.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
13:30	1.00	14:30	PFRT	Perforating	RIH With 3 1/8" PJ Omega Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes .Correlating To HES Spectral Density/ Dual Spaced Neutron And SLB CBL/CCL, Found And Correlated To Marker Joints At 4768 - 4788' And 5620 - 5642'. Drop Down To Depth, Set CBP At 5655', Pull Up And Shoot Stage 7 UteLand Butte/Castle Peak Zone As Follows; 5409 - 5410, 5433 - 5434, 5445 - 5446, 5451 - 5452, 5478 - 5479, 5494 - 5495, 5519 - 5520, 5533 - 5534, 5545 - 5546, 5563 - 5564, 5581 - 5582, 5613 - 5614, 5626 - 5627. 39 Holes. POOH. Verify On Surface All Shots Fired, LD Spent Gun. WSI And Secured.
14:30	0.50	15:00	GOP	General Operations	WireLine ShutDown And Secure Equipment
15:00	15.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured, Refilling Water On Location, Refilling Sand, SDFD

5-7D-46 BTR 9/26/2011 06:00 - 9/27/2011 06:00

API/UWI 43-013-50574	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status	Total Depth (ftKB) 7,350.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.08	06:04	GOP	General Operations	HES Arrive On Location At 0500 Hrs., Start Equipment, Prime Up Chemicals, And HHP, Quality Check On Fluids. Pressure Test To 9000#S
06:04	0.34	06:25	SMTG	Safety Meeting	Meet With Contractors Present On Location, Talk About Red Zone, Communication, Traffic On Location, Pressure, And Verifying Turns On WellHead Valve.
06:25	1.50	07:55	FRAC	Frac. Job	Stage 7 UteLand Butte/Castle Peak Frac. Open Well, 1105 Psi ICP. Achieved BreakDown At 9.8 Bpm And 1647 Psi., Pumped 3900 Gals. 15% HCL While Dropping 78 Bio Balls. Flush Balls Away With 3% KCL To 10 Bbls. Over Bottom Perf. Volume, Saw Good Ball Action, S/D For 15 Min. After Surging Three Times To Let Balls Fall. Pumped 3% KCL Pad, S/D For ISIP After Stabilized Rate Of 70.3 Bpm And Pressure 3191 Psi., Isip 1443 Psi., .70 F.G., 22/39 Holes Open. Pumped 6 XL Stages With Hybor G 16 Fluid, 1# 100 Mesh, 1#, 2#, 3.0#, 3.5# And 4# 20/40 White Sand, 150#'s Scale Inhibitor Pumped In 2# Stage, SawGood XL(Maintained 20#) Throughout. Flush With 3% KCL 15 Bbls. Over Bottom Perf Volume. Pumped 146,453 Gals. 80,458 Gals. Was X Link Fluid. 18,400#'s 100 Mesh And 168,800#'s 20/40 White Sand.Total Load To Recover 3752 Bbls.. ISDP 1707 Psi., .75 F.G., Max Rate 70.7 Bpm Max Pressure 3075 Psi. Avg Rate 70.6 Bpm Avg. Pressure 2673 Psi. WSI And Secured. Turn Over To W/L.
07:55	0.17	08:05	CTUW	W/L Operation	Turned Over To WireLine, Arm Gun, P/U And N/U Baker 20 Setting Tool With HES FAS Drill CBP, Hook Up To WellHead, Equalize With Cable. Open Well.
08:05	1.00	09:05	PFRT	Perforating	RIH With 3 1/8" PJ Omega Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes .Correlating To HES Spectral Density/ Dual Spaced Neutron And SLB CBL/CCL, Found And Correlated To Marker Joints At 4768 - 4788'. Drop Down To Depth, Set CBP At 5382', Pull Up And Shoot Stage 8 Castle Peak/Black Shale Zone As Follows; 5160 - 5161, 5177 - 5178, 5199 - 5200, 5236 - 5237, 5243 - 5244, 5253 - 5254, 5261 - 5262, 5269 - 5270, 5275 - 5276, 5299 - 5300, 5326 - 5327, 5337 - 5338, 5355 - 5356. 39 Holes. POOH. Verify On Surface All Shots Fired, LD Spent Gun. WSI And Secured.
09:05	0.83	09:55	GOP	General Operations	Well Turned Over To HES. Pressure Test To 9000#, Equalize To Well Pressure, Open Up To Well.
09:55	1.42	11:20	FRAC	Frac. Job	Stage 8 Castle Peak/Black Shale Frac. Open Well, 620 Psi ICP. Achieved BreakDown At 7.6 Bpm And 2642 Psi., Pumped 3900 Gals. 15% HCL While Dropping 78 Bio Balls. Flush Balls Away With 3% KCL To 10 Bbls. Over Bottom Perf. Volume, Saw Good Ball Action, S/D For 15 Min. After Surging Three Times To Let Balls Fall. Pumped 3% KCL Pad, S/D For ISIP After Stabilized Rate Of 71.2 Bpm And Pressure 2874 Psi., Isip 1619 Psi., .69 F.G., 24/39 Holes Open. Pumped 6 XL Stages With Hybor G 16 Fluid, 1# 100 Mesh, 1#, 2#, 3.0#, 3.5# And 4# 20/40 White Sand, 150#'s Scale Inhibitor Pumped In 2# Stage, SawGood XL(Maintained 20#) Throughout. Flush With 3% KCL 15 Bbls. Over Bottom Perf Volume. Pumped 137,913 Gals. 75,554 Gals. Was X Link Fluid. 24,560#'s 100 Mesh And 152,080#'s 20/40 White Sand.Total Load To Recover 3573 Bbls.. ISDP 1672 Psi., .76 F.G., Max Rate 71.4 Bpm Max Pressure 2878 Psi. Avg Rate 71.2 Bpm Avg. Pressure 2529 Psi. WSI And Secured. Turn Over To W/L.
11:20	0.34	11:40	CTUW	W/L Operation	Turned Over To WireLine,P/U And N/U Baker 20 Setting Tool With HES FAS Drill CBP, Hook Up To WellHead, Equalize With Cable. Open Well.
11:40	1.00	12:40	WLWK	Wireline	RIH With CCL, Baker 20 And HES Fas Drill CBP, Correlating To HES Spectral Density/ Dual Spaced Neutron And SLB CBL/CCL, Found And Correlated To Marker Joints At 4768 - 4788'. Drop Down To Depth, Set CBP(Kill Plug) At 5120', POOH, Bleed Down Pressure On Well. CBP Holding.
12:40	3.33	16:00	SRIG	Rig Up/Down	HES And SLB RD MOL.
16:00	14.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured, Bottom Out Frac Line, Batch Two Tanks For W/O.

**5-7D-46 BTR 9/27/2011 06:00 - 9/28/2011 06:00**

API/UWI 43-013-50574	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status	Total Depth (ftKB) 7,350.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	WSI And Secure. Waiting On Rig Crew And FlowBack Personnel
07:00	5.00	12:00	SRIG	Rig Up/Down	FlowBack Arrive On Location, Open Well To Pit Thru FlowBack Iron, Kill Plug Holding. Rig And Rig Crew MIRU Pipe Handler And Tubing Racks, Unload Tubing Onto Pipe Racks, Set Anchors, Spot And Raise Rig. Nipple Down Frac Tree, Nipple Up BOP, Replace Bag In Annular, Hook FlowBack Upto BOP Finish Bring In Rig Pump And Tank, Rig Up To Well, Pressure Test BOP's To 3000#. Moving Frac Tanks Off Location.
12:00	5.00	17:00	TRIP	Tripping	Pick Up 4.75" Smith Rock Bit And Pump Off Sub, One Joint 2 7/8" Tubing, XN Nipple, One Joint Tubing And X Nipple. Begin Singling In Tubing To 5096', 160 Jts. Bring In Rig Pump And Tank, Rig Up To Well, Pressure Test BOP's To 3000#.
17:00	13.00	06:00	LOCL	Lock Wellhead & Secure	Shut In Bop's, Lock And Secure, TIW in Tbg. SDFD.

5-7D-46 BTR 9/28/2011 06:00 - 9/29/2011 06:00

API/UWI 43-013-50574	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status	Total Depth (ftKB) 7,350.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	SMTG	Safety Meeting	Crew Arrived on location @ 06:15, Safety meeting with rig crew, reviewed JSA. Started rig equipment and fueled power swivel and rig pump. Check Pressure. 0 psi on the well.
06:30	2.00	08:30	SRIG	Rig Up/Down	P/up power swivel RIH and tag Kill plug @ 5120', Load tbg @ 2.5 bpm, Broke Circ.
08:30	4.00	12:30	DOPG	Drill Out Plugs	Started drilling out Kill plug @ 5120', Drilled through plug, csg pressure increase to 925 psi. Continued to drill through plugs as listed below. 1) CBP @ 5382' with 25' of sand. 2) CBP @ 5655' with 20' of sand. 3) CBP @ 5934' with 60' of sand. 4) CBP @ 6220' with 15' of sand. 5) CBP @ 6476' with 10' of sand. 6) CBP @ 6738' with 20' of sand. Flow back crew allowed sand trap to plug up, had to stop drill out operations to free up sand trap.
12:30	1.50	14:00	GOP	General Operations	Freed up sand trap, put well back to flow. finished drilling out the last plug @ 6978'. 7) CBP @ 6978' with 15' of sand. Continued to RIH with tbg and tagged cement top @ 7196'.
14:00	0.75	14:45	CTU	Clean Out	Drilled out cement and cleaned out to float collar @ 7294'. 116' of ratt hole.
14:45	0.50	15:15	CTU	Clean Out	Circulated hole with 50 bbls while on bottom.
15:15	1.50	16:45	TRIP	Tripping	Rigged down power swivel and laid down 98 jts of 2 7/8' tbg.
16:45	0.50	17:15	LOCL	Lock Wellhead & Secure	Shut in and secured bop's for the night.
17:15	12.75	06:00	FBCK	Flowback Well	Checked flow back line for any restriction, had to replace choke and choke body. Opened well on a 30/64" choke with 850 psi on the csg, flow rate in returns @ 2.5 bpm.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-5671
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: 5-7D-46 BTR
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2600 FNL 0800 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 07 Township: 04.0S Range: 06.0W Meridian: U		9. API NUMBER: 43013505740000
9. FIELD and POOL or WILDCAT: ALTAMONT		COUNTY: DUCHESNE
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/2/2011			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This sundry is being submitted as notice that this well had first gas sales on 9/29/11 and first oil sales on 10/2/11.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Tracey Fallang	PHONE NUMBER 303 312-8134	TITLE Regulatory Manager
SIGNATURE N/A	DATE 10/4/2011	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-5671
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: 5-7D-46 BTR
2. NAME OF OPERATOR: BILL BARRETT CORP		9. API NUMBER: 43013505740000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2600 FNL 0800 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 07 Township: 04.0S Range: 06.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/31/2011	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACUTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: 	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. October 2011 Monthly Drilling Activity Report attached.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 11/3/2011	

**5-7D-46 BTR 10/3/2011 06:00 - 10/4/2011 06:00**

API/UWI 43-013-50574	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status	Total Depth (ftKB) 7,350.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	LOCL	Lock Wellhead & Secure	Flowing well to sales. E-line crew traveling to location.
08:00	1.00	09:00	SRIG	Rig Up/Down	Safety Meeting w/ SLB, MIRU Schlumberger Wireline to run Production Log
09:00	0.75	09:45	WLWK	Wireline	RIH with Dummy Run - Tag PBTD @ 7261'. 33' of sand in rat hole section. FC @ 7294'
09:45	4.75	14:30	WLWK	Wireline	MU Spinner Tools, TIH to do Production Log. Maked speed passes @ 133', 166', 200' From 5120' to 7210' Tub - 480# Casing- 1320# Avg. Oil Rate - 18.6.X BPH Avg Water Rate - 39 BPH Avg Gas Rate - .028 MCF/Day Well Choke set @ 30/64" BHT 194*. Secured well head, continued to flow well to sales. Flushed sand trap and rigged down sand trap. Cleaned out flow back tanks.
14:30	15.50	06:00	FBCK	Flowback Well	RDMO SLB, Turned well over to production, continue to sale oil & gas.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
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		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE			
		7. UNIT or CA AGREEMENT NAME:			
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: 5-7D-46 BTR			
2. NAME OF OPERATOR: BILL BARRETT CORP		9. API NUMBER: 43013505740000			
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. FIELD and POOL or WILDCAT: ALTAMONT			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2600 FNL 0800 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 07 Township: 04.0S Range: 06.0W Meridian: U		COUNTY: DUCHESNE			
		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/31/2011	TYPE OF ACTION <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. October 2011 Monthly Drilling Activity Report attached.					
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY					
NAME (PLEASE PRINT) Brady Riley		PHONE NUMBER 303 312-8115			
SIGNATURE N/A		TITLE Permit Analyst			
		DATE 11/3/2011			

**5-7D-46 BTR 10/3/2011 06:00 - 10/4/2011 06:00**

API/UWI 43-013-50574	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status	Total Depth (ftKB) 7,350.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	LOCL	Lock Wellhead & Secure	Flowing well to sales. E-line crew traveling to location.
08:00	1.00	09:00	SRIG	Rig Up/Down	Safety Meeting w/ SLB, MIRU Schlumberger Wireline to run Production Log
09:00	0.75	09:45	WLWK	Wireline	RIH with Dummy Run - Tag PBTD @ 7261'. 33' of sand in rat hole section. FC @ 7294'
09:45	4.75	14:30	WLWK	Wireline	MU Spinner Tools, TIH to do Production Log. Maked speed passes @ 133', 166', 200' From 5120' to 7210' Tub - 480# Casing- 1320# Avg. Oil Rate - 18.6.X BPH Avg Water Rate - 39 BPH Avg Gas Rate - .028 MCF/Day Well Choke set @ 30/64" BHT 194*. Secured well head, continued to flow well to sales. Flushed sand trap and rigged down sand trap. Cleaned out flow back tanks.
14:30	15.50	06:00	FBCK	Flowback Well	RDMO SLB, Turned well over to production, continue to sale oil & gas.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-5671
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: 5-7D-46 BTR
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2600 FNL 0800 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 07 Township: 04.0S Range: 06.0W Meridian: U		9. API NUMBER: 43013505740000
9. FIELD and POOL or WILDCAT: ALTAMONT		COUNTY: DUCHESNE
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 11/30/2011			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

 November 2011 Monthly Drilling Report attached.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 12/5/2011	

**5-7D-46 BTR 11/6/2011 06:00 - 11/7/2011 06:00**

API/UWI 43-013-50574	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 7,350.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	5.00	11:00	GOP	General Operations	TRAVEL
11:00	19.00	06:00	GOP	General Operations	DOWN TIL MORNING

5-7D-46 BTR 11/7/2011 06:00 - 11/8/2011 06:00

API/UWI 43-013-50574	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 7,350.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	GOP	General Operations	TRAVEL
07:00	6.00	13:00	RMOV	Rig Move	MOVE IN R/U KILL WELL W/ 100 DOWN CASING & TUBING
13:00	2.00	15:00	PULT	Pull Tubing	POOH W/ 160 JTS
15:00	3.00	18:00	RUTB	Run Tubing	RIH AS FOLLOWS BULL PLUG 5 JTS DESANDER 4' SUB RUBING PUMP 1 JT ANCHOR 160 JTS SHUT WELL IN FOR NIGHT
18:00	12.00	06:00	LOCL	Lock Wellhead & Secure	DOWN TIL MORNING

5-7D-46 BTR 11/8/2011 06:00 - 11/9/2011 06:00

API/UWI 43-013-50574	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 7,350.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	GOP	General Operations	TRAVEL
07:00	4.00	11:00	RUTB	Run Tubing	P/U 46 JTS SET ANCHOR N/D BOP MAKE UP WELL HEAD
11:00	7.00	18:00	RURP	Run Rods & Pump	FLUSH TUBING W/ 60 BBLS DROP STANDING VALVE PUMP TO BOTTOM PRESSURE UP TO 800 PSI RIH W/ RODS PLUNGER 28 1" 73 3/4" 77 7/8 81 1" 4' SUB 40' POLISH RODS SPACE OUT R/D TURN OVER TO PRODUCTION
18:00	12.00	06:00	GOP	General Operations	ON PRODUCTION

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
1420H825671

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator
BILL BARRETT CORPORATION Contact: MEGAN FINNEGAN
E-Mail: mfinnegan@billbarrettcorp.com

8. Lease Name and Well No.
5-7D-46 BTR

3. Address 1099 18TH STREET SUITE 2300
DENVER, CO 80202

3a. Phone No. (include area code)
Ph: 303-299-9949

9. API Well No.
43-013-50574

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface SWNW 2600FNL 800FWL

At top prod interval reported below SWNW 1970FNL 760FWL

At total depth SWNW 2009FNL 765FWL

10. Field and Pool, or Exploratory
ALTAMONT

11. Sec., T., R., M., or Block and Survey
or Area Sec 7 T4S R6W Mer UBM

12. County or Parish
DUCHESE

13. State
UT

14. Date Spudded
08/25/2011

15. Date T.D. Reached
09/09/2011

16. Date Completed
☐ D & A ☒ Ready to Prod.
09/29/2011

17. Elevations (DF, KB, RT, GL)*
6020 GL

18. Total Depth: MD 7350
TVD 7284

19. Plug Back T.D.: MD 7291
TVD 7214.05

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CBL, TRIPLE COMBO, BOREHOLE

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
24.000	16.000 COND	65.0	0	80	80		67	0	
12.250	9.625 J-55	36.0	0	1530	1521	450	172	0	
8.750	5.500 P-110	17.0	0	7350	7337	1100	337	900	15000

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	5100							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER	5160	5829	5160 TO 5829	0.440	117	OPEN
B) WASATCH	5885	7178	5885 TO 7178	0.440	198	OPEN
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
5160 TO 5829	GREEN RIVER: SEE TREATMENT STAGES 6 - 8
5885 TO 7178	WASATCH: SEE TREATMENT STAGES 1 - 5

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
09/29/2011	10/03/2011	24	→	497.0	732.0	897.0	52.0		FLOW FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Ceg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
90/64	435	1324.0	→	497	732	897	1473	POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Ceg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #120966 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

RECEIVED

OCT 20 2011

DIV. OF OIL, GAS & MINING

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

29. Disposition of Gas (Sold, used for fuel, vented, etc.)
SOLD
30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				GREEN RIVER	1371
				DOUGLAS CREEK	4114
				BLACK SHALE	5109
				CASTLE PEAK	5251
				UTELAND BUTTE	5577
				CR 1	5665
				WASATCH	5832
				CR 4	6537

32. Additional remarks (include plugging procedure):

Toc was calculated by CBL. First gas sales was on 9/29/2011. First oil sales was on 10/2/2011. Attached is Treatment Data.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7. Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #120966 Verified by the BLM Well Information System.
For BILL BARRETT CORPORATION, sent to the Vernal

Name (please print) MEGAN FINNEGAN

Title PERMIT ANALYST

Signature

 (Electronic Submission)

Date 10/20/2011

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

5-7D-46 BTR Completion Report Continued*

44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)			
AMOUNT AND TYPE OF MATERIAL			
<u><i>Stage</i></u>	<u><i>Bbls Slurry</i></u>	<u><i>lbs 20/40 White Sand</i></u>	<u><i>lbs 100 Mesh</i></u>
1	3,591	143,100	8,800
2	3,622	146,700	
3	3,711	164,400	
4	3,390	137,300	
5	3,359	158,300	9,600
6	3,791	165,500	15,000
7	3,792	141,200	18,400
8	3,565	152,080	18,700

*Depth intervals for frac information same as perforation record intervals.

RECEIVED

OCT 20 2011

DIV. OF OIL, GAS & MINING

Bill Barrett Corp

Duchesne County, UT (NAD 1927)

Sec. 7-T4S-R6W

5-7D-46 BTR

Plan A Rev 1

Survey: Sperry MWD Surveys

Sperry Drilling Services Standard Report

17 October, 2011

Well Coordinates: 662,045.75 N, 2,248,426.62 E (40° 08' 51.39" N, 110° 36' 40.66" W)

Ground Level: 6,017.00 ft

Local Coordinate Origin:

Centered on Well 5-7D-46 BTR

Viewing Datum:

RKB 24' @ 6041.00ft (H&P 319)

TVDs to System:

N

North Reference:

True

Unit System:

API - US Survey Feet - Custom

Geodetic Scale Factor Applied

Version: 2003.16 Build: 43I

RECEIVED

OCT 20 2011

DIV. OF OIL, GAS & MINING

HALLIBURTON

SPERRY-SUN DRILLING SERVICES

CERTIFIED SURVEY WORK SHEET





OPERATOR:	Bill Barrett Corp.
WELL:	5-7D-46 BTR
FIELD:	BTR
RIG:	H&P 319
LEGAL:	Sec. 7-T4S-R6W
COUNTY:	Duchesne
STATE:	Utah
CAL. METHOD:	Min. Curv.
MAG. DECL. APPLIED:	11.68°
VERTICAL SEC. DIR. :	0.92°

SSDS Job Number :	8326702
Start Date of Job :	9/2/2011
End Date of Job :	9/10/2011
Lead Directional Driller:	Steve Krueger
	Paul Pongratz
Other SSDS DD's :	0
SSDS MWD Engineers :	Jesse Marker
	Taylor Jenkins
	Josh Sandoval

Geo Pilot Engineer :

	Main Hole		1st Side Track		2nd Side Track		3rd Side Track		4th Side Track	
	1521'	Tie-on		Tie On		Tie On		Tie On		Tie On
Surface Casing										
First Wireline Survey		SS		MWD						
Last Wireline Survey		SS								
KOP Depth/Sidetrack MD	104'	KOP		KOP-ST1		KOP-ST2		KOP-ST3		KOP-ST4
MWD Tie-on										
First MWD Survey Depth	133'	MWD		MWD		MWD		MWD		MWD
Last MWD Survey Depth	7297'	MWD		MWD		MWD		MWD		MWD
Bit Extrapolation @ TD	7350'	T.D.		T.D.		T.D.		T.D.		T.D.

The following Sperry Drilling Services personnel, certify the above survey information to be accurate to the best of our knowledge:

Print Name : Steve Krueger	Print Name : Paul Pongratz	Print Name : 0
Sign Name : 	Sign Name : 	Sign Name :
Print Name : Jesse Marker	Print Name : Taylor Jenkins	Print Name : Josh Sandoval
Sign Name : 	Sign Name : 	Sign Name :

Tie On	Tie On to Surface Casing (Assumed Vertical), Tie On to existing MWD Survey (prior drilled hole)
MWD	Sperry-Sun Drilling Services (SSDS) Measurement While Drilling (MWD) Survey's
ESS	Sperry-Sun Drilling Services (SSDS) Electronic Survey System (ESS) Survey's
Gyro	Gyro Survey's ; Provided by third party vendor, or by Sperry-Sun Drilling Services (SSDS)
SS	Single Shot (SS) Survey's ; Provided by Sperry-Sun Drilling Services (SSDS) or third party vendor.

Examples of Survey Types:

Survey Report for 5-7D-46 BTR - Sperry MWD Surveys

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133.00	0.15	123.65	133.00	-0.10	0.14	-0.09	0.11
First Sperry MWD Survey at 133.00 ft							
195.00	0.08	18.41	195.00	-0.10	0.23	-0.10	0.30
249.00	0.11	251.32	249.00	-0.08	0.19	-0.08	0.32
312.00	0.29	300.40	312.00	-0.02	-0.01	-0.02	0.37
373.00	0.37	322.38	373.00	0.21	-0.26	0.21	0.24
434.00	0.31	329.06	434.00	0.51	-0.46	0.50	0.12
526.00	0.58	3.09	525.99	1.19	-0.57	1.18	0.40
618.00	0.71	10.04	617.99	2.22	-0.44	2.21	0.16
710.00	0.49	33.42	709.98	3.11	-0.13	3.10	0.35
802.00	0.48	14.34	801.98	3.81	0.19	3.81	0.18
896.00	0.52	358.69	895.98	4.62	0.27	4.62	0.15
990.00	0.23	344.05	989.97	5.22	0.21	5.23	0.32
1,085.00	0.29	175.39	1,084.97	5.17	0.18	5.17	0.54
1,179.00	0.14	271.43	1,178.97	4.93	0.08	4.93	0.36
1,273.00	0.53	32.90	1,272.97	5.30	0.20	5.30	0.65
1,368.00	0.47	61.33	1,367.97	5.86	0.78	5.87	0.27
1,461.00	0.82	20.02	1,460.96	6.67	1.35	6.69	0.60
1,547.00	0.61	44.48	1,546.96	7.57	1.88	7.60	0.43
1,605.00	1.00	13.69	1,604.95	8.28	2.21	8.32	0.98
1,652.00	2.02	8.62	1,651.93	9.50	2.44	9.54	2.19
1,699.00	3.69	4.43	1,698.87	11.83	2.68	11.87	3.58
1,747.00	4.49	1.96	1,746.75	15.24	2.86	15.29	1.71
1,794.00	5.16	1.62	1,793.59	19.20	2.98	19.24	1.43
1,841.00	5.85	358.59	1,840.37	23.70	2.98	23.75	1.59
1,888.00	6.84	357.70	1,887.08	28.89	2.81	28.94	2.12
1,935.00	7.50	357.65	1,933.71	34.76	2.57	34.79	1.40
1,982.00	7.79	0.61	1,980.29	41.01	2.48	41.04	1.04
2,029.00	8.15	0.44	2,026.84	47.52	2.54	47.56	0.77
2,076.00	8.85	0.23	2,073.32	54.47	2.58	54.50	1.49
2,124.00	10.08	1.16	2,120.67	62.36	2.68	62.40	2.58
2,171.00	11.71	2.18	2,166.82	71.24	2.95	71.28	3.49
2,218.00	12.61	2.63	2,212.77	81.13	3.36	81.17	1.93
2,265.00	12.53	3.71	2,258.64	91.34	3.93	91.40	0.53
2,312.00	12.76	4.96	2,304.50	101.60	4.71	101.66	0.76
2,359.00	13.90	4.67	2,350.23	112.40	5.62	112.48	2.43
2,406.00	15.67	3.30	2,395.67	124.36	6.44	124.45	3.84
2,453.00	16.52	2.36	2,440.83	137.38	7.08	137.47	1.89
2,501.00	16.91	0.96	2,486.80	151.18	7.48	151.28	1.17
2,548.00	18.81	3.15	2,531.54	165.58	8.01	165.69	4.29
2,595.00	20.09	4.18	2,575.85	181.20	9.02	181.32	2.82
2,642.00	19.98	4.30	2,620.01	197.25	10.21	197.39	0.25
2,689.00	19.51	3.82	2,664.25	213.09	11.33	213.25	1.06
2,736.00	19.07	5.37	2,708.61	228.57	12.57	228.74	1.44
2,783.00	18.05	7.67	2,753.16	243.43	14.26	243.63	2.67
2,830.00	17.39	6.94	2,797.93	257.62	16.08	257.84	1.48
2,877.00	17.13	6.22	2,842.82	271.47	17.68	271.72	0.72
2,924.00	17.48	6.74	2,887.69	285.36	19.26	285.63	0.81
2,972.00	17.41	6.90	2,933.48	299.65	20.97	299.95	0.18

Survey Report for 5-7D-46 BTR - Sperry MWD Surveys

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
3,019.00	17.68	5.90	2,978.30	313.73	22.55	314.05	0.86
3,066.00	18.37	4.34	3,022.99	328.21	23.84	328.55	1.79
3,113.00	18.66	4.60	3,067.56	343.09	25.01	343.45	0.64
3,160.00	18.79	4.80	3,112.07	358.13	26.24	358.51	0.31
3,207.00	18.55	4.98	3,156.60	373.12	27.52	373.52	0.53
3,254.00	18.49	5.34	3,201.16	387.99	28.87	388.40	0.27
3,301.00	17.95	5.80	3,245.80	402.61	30.29	403.05	1.19
3,349.00	18.16	4.80	3,291.44	417.43	31.67	417.88	0.78
3,396.00	18.42	4.70	3,336.07	432.13	32.89	432.60	0.56
3,443.00	18.15	4.71	3,380.69	446.82	34.10	447.31	0.57
3,490.00	17.23	4.78	3,425.47	461.06	35.28	461.56	1.96
3,537.00	16.04	4.39	3,470.50	474.47	36.35	474.99	2.54
3,584.00	16.04	4.45	3,515.67	487.41	37.36	487.95	0.04
3,631.00	16.03	3.07	3,560.84	500.37	38.21	500.92	0.81
3,678.00	15.80	4.50	3,606.04	513.23	39.06	513.79	0.97
3,726.00	15.18	5.39	3,652.30	526.00	40.16	526.58	1.38
3,773.00	14.96	5.49	3,697.68	538.16	41.32	538.76	0.47
3,820.00	14.78	5.01	3,743.11	550.17	42.42	550.79	0.46
3,867.00	14.29	3.52	3,788.61	561.94	43.30	562.56	1.31
3,914.00	13.58	0.97	3,834.22	573.24	43.75	573.87	2.00
3,961.00	12.27	0.53	3,880.03	583.75	43.89	584.39	2.80
4,008.00	10.87	0.26	3,926.07	593.18	43.96	593.81	2.98
4,055.00	9.59	0.24	3,972.33	601.53	43.99	602.16	2.72
4,102.00	8.49	359.53	4,018.74	608.91	43.98	609.54	2.35
4,149.00	7.55	357.89	4,065.28	615.47	43.84	616.09	2.06
4,197.00	6.26	359.05	4,112.93	621.23	43.68	621.86	2.70
4,244.00	5.45	352.37	4,159.69	626.01	43.34	626.63	2.25
4,291.00	4.51	349.42	4,206.51	630.04	42.71	630.64	2.07
4,338.00	3.78	345.89	4,253.39	633.36	41.99	633.95	1.64
4,385.00	3.03	342.17	4,300.30	636.04	41.23	636.62	1.66
4,432.00	2.51	337.57	4,347.25	638.18	40.46	638.75	1.20
4,480.00	2.09	328.89	4,395.21	639.90	39.60	640.45	1.13
4,527.00	1.54	315.01	4,442.19	641.08	38.71	641.62	1.49
4,574.00	1.06	291.06	4,489.17	641.68	37.86	642.21	1.52
4,668.00	0.26	333.14	4,583.17	642.18	36.95	642.70	0.94
4,762.00	0.78	174.26	4,677.16	641.74	36.92	642.25	1.09
4,856.00	0.87	161.43	4,771.16	640.42	37.21	640.94	0.22
4,951.00	0.95	105.87	4,866.14	639.52	38.20	640.06	0.90
5,045.00	0.43	33.33	4,960.14	639.61	39.14	640.15	0.98
5,139.00	2.36	158.05	5,054.11	638.11	40.06	638.67	2.80
5,233.00	3.50	165.98	5,147.99	633.53	41.48	634.11	1.28
5,280.00	3.71	168.67	5,194.90	630.64	42.13	631.24	0.57
5,327.00	3.51	171.54	5,241.80	627.73	42.64	628.34	0.57
5,374.00	2.99	178.27	5,288.73	625.08	42.89	625.69	1.37
5,422.00	2.61	187.31	5,336.67	622.75	42.78	623.35	1.21
5,469.00	2.11	217.71	5,383.63	621.00	42.12	621.60	2.83
5,516.00	1.85	231.05	5,430.61	619.84	41.00	620.42	1.12
5,563.00	1.75	239.48	5,477.58	619.00	39.79	619.56	0.60
5,610.00	1.60	237.06	5,524.56	618.28	38.62	618.82	0.35
5,657.00	1.58	230.21	5,571.54	617.50	37.57	618.03	0.41
5,705.00	1.39	231.29	5,619.53	616.72	36.61	617.23	0.40

Survey Report for 5-7D-46 BTR - Sperry MWD Surveys

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
5,752.00	1.39	236.14	5,666.51	616.04	35.69	616.54	0.25
5,799.00	0.81	277.95	5,713.51	615.77	34.89	616.25	2.03
5,846.00	0.62	4.06	5,760.50	616.07	34.58	616.55	2.10
5,893.00	0.81	9.33	5,807.50	616.65	34.65	617.13	0.43
5,940.00	0.26	26.65	5,854.50	617.08	34.75	617.56	1.21
5,987.00	0.64	157.17	5,901.50	616.93	34.90	617.41	1.77
6,034.00	1.23	165.17	5,948.49	616.20	35.13	616.69	1.28
6,082.00	1.41	157.13	5,996.48	615.16	35.49	615.65	0.54
6,129.00	1.31	162.42	6,043.46	614.11	35.88	614.61	0.34
6,176.00	0.89	181.58	6,090.46	613.23	36.03	613.74	1.18
6,223.00	0.61	200.62	6,137.45	612.64	35.94	613.14	0.79
6,270.00	0.41	185.16	6,184.45	612.23	35.83	612.73	0.51
6,317.00	0.68	179.93	6,231.45	611.79	35.82	612.29	0.58
6,364.00	0.91	178.91	6,278.44	611.14	35.83	611.63	0.49
6,459.00	0.78	192.53	6,373.43	609.75	35.70	610.25	0.25
6,553.00	1.54	186.07	6,467.41	607.87	35.43	608.36	0.82
6,648.00	0.58	187.70	6,562.40	606.12	35.23	606.61	1.01
6,742.00	1.56	178.99	6,656.38	604.37	35.19	604.86	1.05
6,837.00	1.53	197.08	6,751.34	601.87	34.84	602.35	0.51
6,931.00	1.08	200.04	6,845.32	599.84	34.16	600.31	0.48
7,025.00	1.04	155.82	6,939.30	598.23	34.21	598.70	0.85
7,120.00	0.49	183.93	7,034.30	597.03	34.54	597.51	0.68
7,214.00	1.27	179.08	7,128.28	595.59	34.52	596.07	0.83
7,297.00	2.19	176.18	7,211.25	593.09	34.65	593.57	1.11
Final Sperry MWD Survey at 7297.00 ft							
7,350.00	2.19	176.18	7,264.21	591.07	34.78	591.55	0.00
Straight Line Projection to TD at 7350.00 ft							

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
133.00	133.00	-0.10	0.14	First Sperry MWD Survey at 133.00 ft
7,297.00	7,211.25	593.09	34.65	Final Sperry MWD Survey at 7297.00 ft
7,350.00	7,264.21	591.07	34.78	Straight Line Projection to TD at 7350.00 ft

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin		Start TVD (ft)
				+N/-S (ft)	+E/-W (ft)	
Target	5-7D-46 BTR_Plan A-1_BHL Tgt	0.92	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
133.00	7,350.00	Sperry MWD Surveys	MWD

HALLIBURTON**Survey Report for 5-7D-46 BTR - Sperry MWD Surveys****Targets**

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
5-7D-46 BTR_Setba - survey hits target center - Polygon	0.00	0.00	0.00	0.02	0.00	662,045.77	2,248,426.62	40° 8' 51.389 N	110° 36' 40.658 W
5-7D-46 BTR_Plan / - survey misses target center by 35.36ft at 4531.07ft MD (4446.25 TVD, 641.15 N, 38.64 E) - Rectangle (sides W200.00 H200.00 D2,770.00)	0.00	0.00	4,446.00	620.41	10.00	662,666.17	2,248,430.46	40° 8' 57.520 N	110° 36' 40.530 W
5-7D-46 BTR_Plan / - survey misses target center by 37.10ft at 7297.00ft MD (7211.25 TVD, 593.09 N, 34.65 E) - Point	0.00	0.00	7,216.00	620.41	10.00	662,666.17	2,248,430.46	40° 8' 57.520 N	110° 36' 40.530 W
5-7D-46 BTR_SHL - survey hits target center - Point	0.00	0.00	0.00	0.02	0.00	662,045.77	2,248,426.62	40° 8' 51.389 N	110° 36' 40.658 W

HALLIBURTON

North Reference Sheet for Sec. 7-T4S-R6W - 5-7D-46 BTR - Plan A Rev 1

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to True North Reference.

Vertical Depths are relative to RKB 24' @ 6041.00ft (H&P 319). Northing and Easting are relative to 5-7D-46 BTR

Coordinate System is US State Plane 1927 (Exact solution), Utah Central 4302 using datum NAD 1927 (NADCON CONUS), ellipsoid Clarke 1866

Projection method is Lambert Conformal Conic (2 parallel)

Central Meridian is 111° 30' 0.000 W°, Longitude Origin: 0° 0' 0.000 E°, Latitude Origin: 40° 39' 0.000 N°

False Easting: 2,000,000.00ft, False Northing: 0.00ft, Scale Reduction: 0.99991367

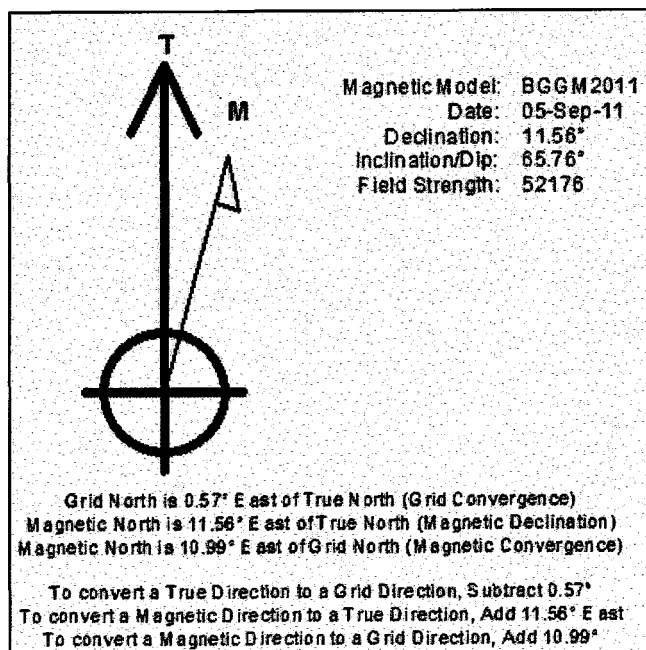
Grid Coordinates of Well: 662,045.75 ft N, 2,248,426.62 ft E

Geographical Coordinates of Well: 40° 08' 51.39" N, 110° 36' 40.66" W

Grid Convergence at Surface is: 0.57°

Based upon Minimum Curvature type calculations, at a Measured Depth of 7,350.00ft the Bottom Hole Displacement is 592.09ft in the Direction of 3.37° (True).

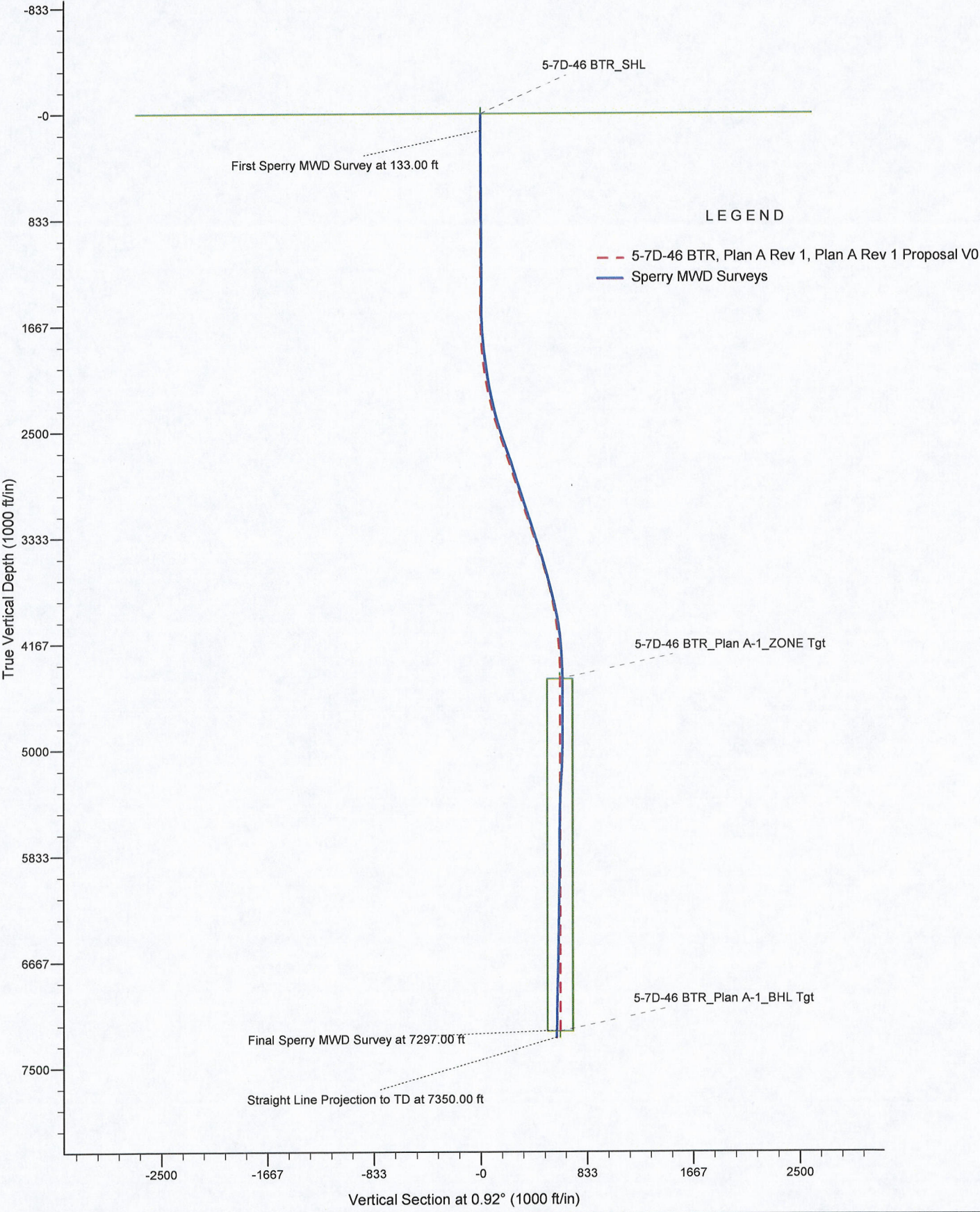
Magnetic Convergence at surface is: -10.99° (5 September 2011, , BGGM2011)



Project: Duchesne County, UT (NAD 1927)
Site: Sec. 7-T4S-R6W
Well: 5-7D-46 BTR

Bill Barrett Corp

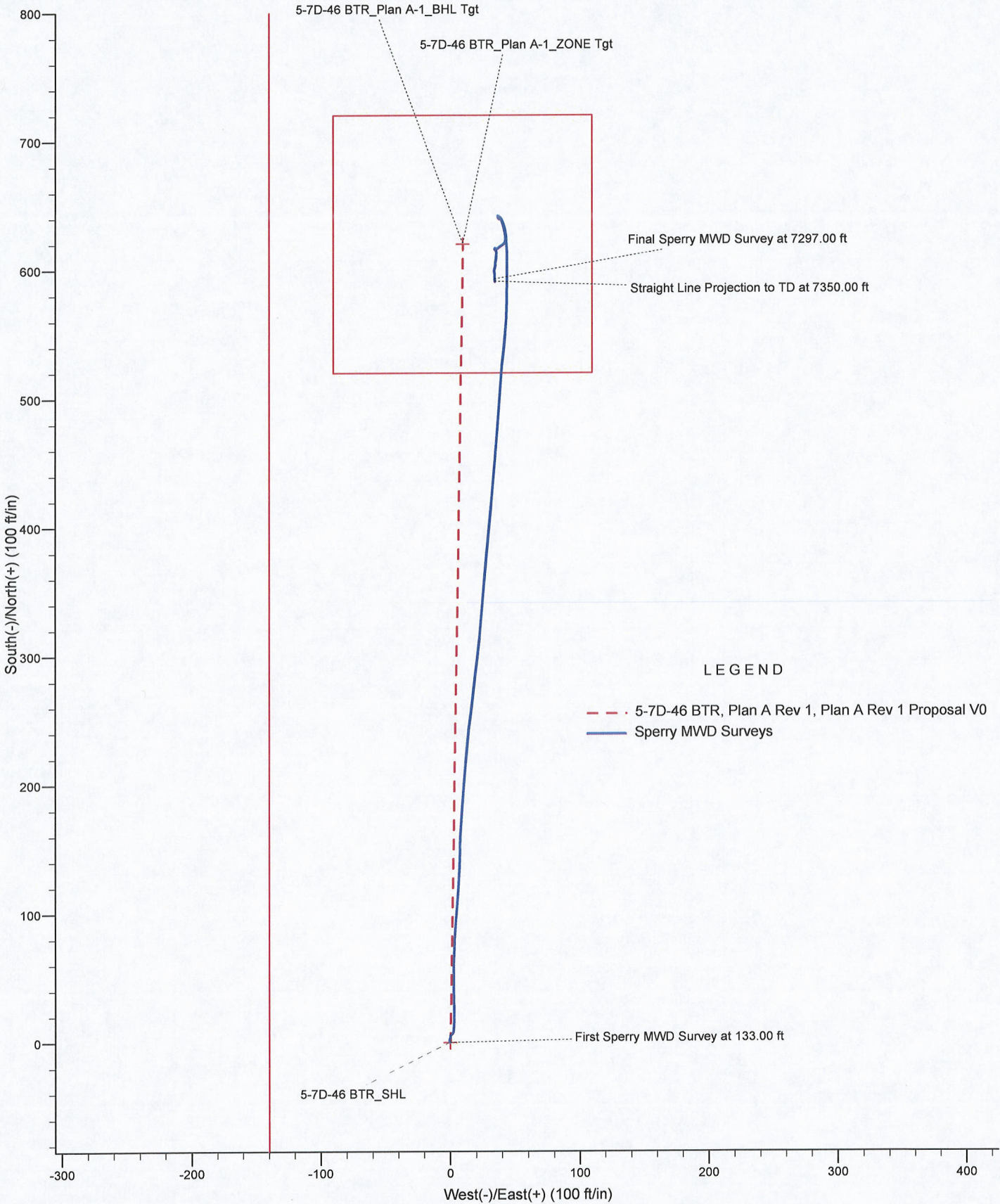
HALLIBURTON
Sperry Drilling



Project: Duchesne County, UT (NAD 1927)
Site: Sec. 7-T4S-R6W
Well: 5-7D-46 BTR

Bill Barrett Corp

HALLIBURTON
Sperry Drilling



Effective Date: 11/1/2016

FORMER OPERATOR:	NEW OPERATOR:
Bill Barrett Corporation 1099 18th Street, Suite 2300 Denver, CO 80202	Rig II, LLC 1582 West 2600 South Woods Cross, UT 84087
CA Number(s):	Unit(s):

WELL INFORMATION:

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
See Attached List									

OPERATOR CHANGES DOCUMENTATION:

1. Sundry or legal documentation was received from the **FORMER** operator on: 10/21/2016
2. Sundry or legal documentation was received from the **NEW** operator on: 10/21/2016
3. New operator Division of Corporations Business Number: 8256968-0160

REVIEW:

1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: N/A
2. Receipt of Acceptance of Drilling Procedures for APD on: 10/21/2016
3. Reports current for Production/Disposition & Sundries: 11/2/2016
4. OPS/SI/TA well(s) reviewed for full cost bonding: 11/3/2016
5. UIC5 on all disposal/injection/storage well(s) approved on: 11/3/2016
6. Surface Facility(s) included in operator change: None
7. Inspections of PA state/fee well sites complete on (only upon operators request): 11/3/2016

NEW OPERATOR BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UTB000712
2. Indian well(s) covered by Bond Number: LPM 922467
3. State/fee well(s) covered by Bond Number(s): 9219529

DATA ENTRY:

1. Well(s) update in the **OGIS** on: 11/7/2016
2. Entity Number(s) updated in **OGIS** on: 11/7/2016
3. Unit(s) operator number update in **OGIS** on: N/A
4. Surface Facilities update in **OGIS** on: N/A
5. State/Fee well(s) attached to bond(s) in **RBDMS** on: 11/7/2016
6. Surface Facilities update in **RBDMS** on: N/A

COMMENTS:

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral	Surface	Type	Status
SWD 9-36 BTR	9	030S	060W	4301350646	18077	Indian	Fee	WD	A
16-6D-46 BTR SWD	6	040S	060W	4301350781	18327	Indian	Fee	WD	A
6-32-36 BTR SWD	32	030S	060W	4301350921	18329	Indian	Fee	WD	A
LC TRIBAL 8-26D-47	26	040S	070W	4301334024		Indian	Indian	OW	APD
16-21D-37 BTR	21	030S	070W	4301350758		Indian	Fee	OW	APD
14-11D-37 BTR	11	030S	070W	4301350862		Indian	Fee	OW	APD
7-17D-46 BTR	17	040S	060W	4301350883		Indian	Indian	OW	APD
14-12D-37 BTR	12	030S	070W	4301350894		Indian	Fee	OW	APD
1-18D-36 BTR	18	030S	060W	4301350922		Indian	Fee	OW	APD
13-2D-45 BTR	2	040S	050W	4301350931		Indian	Indian	OW	APD
5H-16-46 BTR	16	040S	060W	4301350992		Indian	Indian	OW	APD
9H-17-45 BTR	17	040S	050W	4301351098		Indian	Indian	OW	APD
13H-8-46 BTR UB	8	040S	060W	4301351124		Indian	Indian	OW	APD
8H-9-46 BTR	9	040S	060W	4301351140		Indian	Indian	OW	APD
LC TRIBAL 7-31D-37	31	030S	070W	4301351147		Indian	Fee	OW	APD
14-16D-45 BTR	16	040S	050W	4301351178		Indian	Indian	OW	APD
16-19D-37 BTR	19	030S	070W	4301351179		Indian	Fee	OW	APD
6-2D-45 BTR	2	040S	050W	4301351234		Indian	Indian	OW	APD
2-2D-45 BTR	2	040S	050W	4301351235		Indian	Indian	OW	APD
10-26-35 BTR	26	030S	050W	4301351248		Indian	Fee	OW	APD
LC TRIBAL 1H-33-46	33	040S	060W	4301351257		Indian	Fee	OW	APD
LC TRIBAL 9-25D-46	25	040S	060W	4301351276		Indian	Indian	OW	APD
LC TRIBAL 8H-30-45	30	040S	050W	4301351277		Indian	Indian	OW	APD
LC TRIBAL 16H-30-45	30	040S	050W	4301351279		Indian	Indian	OW	APD
LC TRIBAL 13-30D-45	30	040S	050W	4301351282		Indian	Indian	OW	APD
LC TRIBAL 16H-36-46	36	040S	060W	4301351291		Indian	Indian	OW	APD
LC TRIBAL 13H-30-46	30	040S	060W	4301351321		Indian	Indian	OW	APD
LC TRIBAL 13H-31-46	31	040S	060W	4301351326		Indian	Indian	OW	APD
LC TRIBAL 16-31D-46	31	040S	060W	4301351328		Indian	Indian	OW	APD
LC TRIBAL 5H-26-47	26	040S	070W	4301351337		Indian	Indian	OW	APD
LC TRIBAL 5H-19-45	20	040S	050W	4301351349		Indian	Indian	OW	APD
LC TRIBAL 16-36D-47	36	040S	070W	4301351363		Indian	Indian	OW	APD
15-4D-47 BTR	4	040S	070W	4301351377		Indian	Fee	OW	APD
16-23D-46 LC TRIBAL	23	040S	060W	4301351396		Indian	Fee	OW	APD
15-2D-36 BTR	2	030S	060W	4301351419		Indian	Fee	OW	APD
16-23D-37 BTR	23	030S	070W	4301351420		Indian	Fee	OW	APD
11-9D-47 BTR	9	040S	070W	4301351422		Indian	Fee	OW	APD
15-13D-47 BTR	13	040S	070W	4301351424		Indian	Indian	OW	APD
LC TRIBAL 15-19D-46	19	040S	060W	4301351426		Indian	Indian	OW	APD
16-13D-45 BTR	13	040S	050W	4301351428		Indian	Indian	OW	APD

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

14-12D-45 BTR	12	040S	050W	4301351444		Indian	Indian	OW	APD
16-14D-45 BTR	14	040S	050W	4301351445		Indian	Indian	OW	APD
5-13D-45 BTR	13	040S	050W	4301351446		Indian	Indian	OW	APD
LC TRIBAL 16-26D-46	26	040S	060W	4301351450		Indian	State	OW	APD
LC TRIBAL 16-34D-46	34	040S	060W	4301351451		Indian	State	OW	APD
16-12D-45 BTR	12	040S	050W	4301351452		Indian	Indian	OW	APD
8-12D-45 BTR	12	040S	050W	4301351453		Indian	Indian	OW	APD
LC TRIBAL 1-35D-46	35	040S	060W	4301351454		Indian	Fee	OW	APD
16-25D-37 BTR	25	030S	070W	4301351455		Indian	Fee	OW	APD
LC TRIBAL 13H-29-46	28	040S	060W	4301351462		Indian	Fee	OW	APD
LC TRIBAL 14-30D-37	30	030S	070W	4301351494		Indian	Fee	OW	APD
7-13D-45 BTR	13	040S	050W	4301351497		Indian	Indian	OW	APD
LC TRIBAL 4H-35-46	35	040S	060W	4301351515		Indian	Fee	OW	APD
LC TRIBAL 13H-19-46	19	040S	060W	4301351543		Indian	Indian	OW	APD
16-26D-37 BTR	26	030S	070W	4301351598		Indian	Fee	OW	APD
LC TRIBAL 16-31D-37	31	030S	070W	4301351610		Indian	Fee	OW	APD
5-4-35 BTR	4	030S	050W	4301351613		Indian	Fee	OW	APD
LC TRIBAL 16-31D-47	31	040S	070W	4301351616		Indian	Indian	OW	APD
LC TRIBAL 13H-31-47	31	040S	070W	4301351617		Indian	Indian	OW	APD
LC TRIBAL 13-32D-47	32	040S	070W	4301351619		Indian	Indian	OW	APD
LC TRIBAL 16H-32-47	32	040S	070W	4301351620		Indian	Indian	OW	APD
LC TRIBAL 1-32D-47	32	040S	070W	4301351624		Indian	Indian	OW	APD
LC TRIBAL 4H-32-47	32	040S	070W	4301351625		Indian	Indian	OW	APD
LC TRIBAL 13-28D-47	28	040S	070W	4301351627		Indian	Indian	OW	APD
LC TRIBAL 13H-29-47	28	040S	070W	4301351628		Indian	Indian	OW	APD
LC TRIBAL 16H-28-47	28	040S	070W	4301351629		Indian	Indian	OW	APD
LC TRIBAL 1-28D-47	28	040S	070W	4301351639		Indian	Indian	OW	APD
LC TRIBAL 1H-27-47	28	040S	070W	4301351640		Indian	Indian	OW	APD
LC TRIBAL 4H-28-47	28	040S	070W	4301351641		Indian	Indian	OW	APD
LC TRIBAL 7-25D-58	25	050S	080W	4301351643		Indian	Indian	OW	APD
LC TRIBAL 6-25D-58	25	050S	080W	4301351644		Indian	Indian	OW	APD
LC TRIBAL 13H-24-58	24	050S	080W	4301351645		Indian	Indian	OW	APD
LC TRIBAL 16-24D-58	24	050S	080W	4301351646		Indian	Indian	OW	APD
LC Tribal 8-23D-46	23	040S	060W	4301351654		Indian	Fee	OW	APD
LC Tribal 16-35D-45	35	040S	050W	4301351656		Indian	Fee	OW	APD
LC Tribal 13H-35-45	35	040S	050W	4301351657		Indian	Fee	OW	APD
LC Tribal 16-36D-45	36	040S	050W	4301351658		Indian	Fee	OW	APD
LC Tribal 13H-36-45	36	040S	050W	4301351659		Indian	Fee	OW	APD
LC Tribal 5-36D-45	36	040S	050W	4301351661		Indian	Fee	OW	APD
LC Tribal 8-26D-46	26	040S	060W	4301351663		Indian	Fee	OW	APD
3-29D-36 BTR	29	030S	060W	4301351665		Indian	Fee	OW	APD

From: Bill Barrett Corporation

To: Rig II, LLC

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LC Tribal 5-35D-45	35	040S	050W	4301351666	Indian	Fee	OW	APD
LC Tribal 5-24D-46	24	040S	060W	4301351668	Indian	Indian	OW	APD
LC TRIBAL 6-12D-58	12	050S	080W	4301351696	Indian	Indian	OW	APD
LC TRIBAL 8-12D-58	12	050S	080W	4301351697	Indian	Indian	OW	APD
LC TRIBAL 16H-22-47	21	040S	070W	4301351700	Indian	Indian	OW	APD
5-25D-37 BTR	25	030S	070W	4301351803	Indian	Fee	OW	APD
8-3D-36 BTR	3	030S	060W	4301351804	Indian	Fee	OW	APD
14-26D-37 BTR	26	030S	070W	4301351805	Indian	Fee	OW	APD
9-4-35 BTR	4	030S	050W	4301351806	Indian	Fee	OW	APD
11-4D-35 BTR	4	030S	050W	4301351807	Indian	Fee	OW	APD
16-27D-37 BTR	27	030S	070W	4301351808	Indian	Fee	OW	APD
14-27D-37 BTR	27	030S	070W	4301351809	Indian	Fee	OW	APD
14-16D-46 BTR	16	040S	060W	4301351812	Indian	Indian	OW	APD
LC Tribal 16-35D-48	35	040S	080W	4301351847	Indian	Indian	OW	APD
LC Tribal 13H-35-48	35	040S	080W	4301351848	Indian	Indian	OW	APD
LC Tribal 13-2D-58	11	050S	080W	4301351850	Indian	Indian	OW	APD
5-13D-36 BTR	13	030S	060W	4301351862	Indian	Fee	OW	APD
5-8D-36 BTR	8	030S	060W	4301351871	Indian	Fee	OW	APD
16-1D-36 BTR	1	030S	060W	4301351872	Indian	Fee	OW	APD
8-18D-46 BTR	18	040S	060W	4301351897	Indian	Fee	OW	APD
LC Tribal 5-36D-46	36	040S	060W	4301351905	Indian	Indian	OW	APD
LC Tribal 5-26D-45	26	040S	050W	4301351907	Indian	Indian	OW	APD
14-13D-45 BTR	13	040S	050W	4301351974	Indian	Indian	OW	APD
14-34D-46 DLB	34	040S	060W	4301351975	Indian	Fee	OW	APD
LC Tribal 5-21D-45	21	040S	050W	4301352001	Indian	Indian	OW	APD
LC Tribal 8-22D-45	22	040S	050W	4301352002	Indian	Indian	OW	APD
LC Tribal 8-25D-45	25	040S	050W	4301352007	Indian	Indian	OW	APD
LC Tribal 16-25D-45	25	040S	050W	4301352008	Indian	Indian	OW	APD
LC Tribal 16-22D-45	22	040S	050W	4301352009	Indian	Indian	OW	APD
LC Tribal 16-26D-45	26	040S	050W	4301352010	Indian	Indian	OW	APD
LC Tribal 14-31D-37	31	030S	070W	4301352016	Indian	Fee	OW	APD
5-12D-45 BTR	12	040S	050W	4301352030	Indian	Indian	OW	APD
LC Tribal 9-20D-45	20	040S	050W	4301352031	Indian	Indian	OW	APD
LC Tribal 13-35D-47	35	040S	070W	4301352055	Indian	Indian	OW	APD
LC Tribal 1-23D-47	23	040S	070W	4301352057	Indian	Indian	OW	APD
9-17D-46 BTR	17	040S	060W	4301352059	Indian	Indian	OW	APD
11-18D-46 BTR	18	040S	060W	4301352060	Indian	Indian	OW	APD
9-10D-47 BTR	10	040S	070W	4301352092	Indian	Fee	OW	APD
LC Tribal 1-17D-47	17	040S	070W	4301352096	Indian	Fee	OW	APD
7-35D-37 BTR	35	030S	070W	4301352115	Indian	Fee	OW	APD
14-25D-37 BTR	25	030S	070W	4301352116	Indian	Fee	OW	APD

From: Bill Barrett Corporation

To: Rig II, LLC

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LC Tribal 5-25-46	25	040S	060W	4301352126		Indian	Indian	OW	APD
8-33D-35 BTR	33	030S	050W	4301352161		Indian	Fee	OW	APD
5-4D-36 BTR	4	030S	060W	4301352175		Indian	Fee	OW	APD
7-4D-36 BTR	4	030S	060W	4301352176		Indian	Fee	OW	APD
LC Tribal 4-36D-47	36	040S	070W	4301352186		Indian	Indian	OW	APD
LC Tribal 4-22D-46	22	040S	060W	4301352944		Indian	Indian	OW	APD
LC Tribal 16-22D-46	22	040S	060W	4301352945		Indian	Indian	OW	APD
LC Tribal 11-19D-46	19	040S	060W	4301352946		Indian	Indian	OW	APD
LC Tribal 7-20D-45	20	040S	050W	4301352947		Indian	Indian	OW	APD
15-11D-35 BTR	11	030S	050W	4301353056		Indian	Fee	OW	APD
13-11D-35 BTR	11	030S	050W	4301353057		Indian	Fee	OW	APD
BTR 16-36D-37	36	030S	070W	4301353059		Indian	Fee	OW	APD
4-29D-35 BTR	30	030S	050W	4301353060		Indian	Fee	OW	APD
1-30D-35 BTR	30	030S	050W	4301353061		Fee	Fee	OW	APD
LC TRIBAL 3-23D-46	23	040S	060W	4301353066		Indian	State	OW	APD
LC Tribal 14-23D-46	23	040S	060W	4301353067		Indian	State	OW	APD
LC Tribal 13-25D-46	25	040S	060W	4301353068		Indian	Indian	OW	APD
LC Tribal 14-26D-46	26	040S	060W	4301353069		Indian	State	OW	APD
LC Tribal 5-26D-46	26	040S	060W	4301353070		Indian	State	OW	APD
LC Tribal 11-35D-45	35	040S	050W	4301353071		Indian	State	OW	APD
LC Tribal 7-35D-45	35	040S	050W	4301353072		Indian	State	OW	APD
LC Tribal 3-35D-45	35	040S	050W	4301353075		Indian	State	OW	APD
LC Tribal 14-36D-45	36	040S	050W	4301353076		Indian	State	OW	APD
LC Tribal 13-36D-45	36	040S	050W	4301353077		Indian	State	OW	APD
LC Tribal 10-36D-45	36	040S	050W	4301353078		Indian	State	OW	APD
LC Tribal 8-36D-45	36	040S	050W	4301353079		Indian	State	OW	APD
LC Tribal 6-36D-45	36	040S	050W	4301353080		Indian	State	OW	APD
LC Tribal 1-34D-46	34	040S	060W	4301353081		Indian	State	OW	APD
LC Tribal 9-27D-46	27	040S	060W	4301353082		Indian	State	OW	APD
LC Tribal 13-35D-45	35	040S	050W	4301353083		Indian	State	OW	APD
LC Tribal 8-35D-45	35	040S	050W	4301353084		Indian	State	OW	APD
LC Tribal 15-35D-45	35	040S	050W	4301353085		Indian	State	OW	APD
LC Tribal 12-25D-45	25	040S	050W	4301353122		Indian	Indian	OW	APD
LC Tribal 14-25D-45	25	040S	050W	4301353123		Indian	Indian	OW	APD
LC Tribal 10-25D-45	25	040S	050W	4301353124		Indian	Indian	OW	APD
LC Tribal 11-26-45	26	040S	050W	4301353125		Indian	Indian	OW	APD
LC Tribal 13-26D-45	26	040S	050W	4301353126		Indian	Indian	OW	APD
LC Tribal 7-31D-46	31	040S	060W	4301353127		Indian	Indian	OW	APD
LC Tribal 7-19D-45	19	040S	050W	4301353128		Indian	Indian	OW	APD
LC Tribal 5-19D-45	19	040S	050W	4301353130		Indian	Indian	OW	APD
LC Tribal 7-25D-46	25	040S	060W	4301353132		Indian	Indian	OW	APD

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LC Tribal 7-24D-46	24	040S	060W	4301353134		Indian	Indian	OW	APD
LC Tribal 14-31D-46	31	040S	060W	4301353135		Indian	Indian	OW	APD
LC Tribal 14-30D-46	30	040S	060W	4301353136		Indian	Indian	OW	APD
13-4-35 BTR SWD	4	030S	050W	4301353293		Fee	Fee	OW	APD
LC FEE 14-26D-47	26	040S	070W	4301353294		Fee	Indian	OW	APD
LC Fee 5-25D-47	25	040S	070W	4301353295		Fee	Indian	OW	APD
7-35-46 LC SWD	35	040S	060W	4301353296		Fee	Fee	OW	APD
LC Fee 1H-33-47	32	040S	070W	4301353309		Fee	Indian	OW	APD
LC FEE 14-2D-58	2	050S	080W	4301353312		Fee	Indian	OW	APD
LC FEE 13H-21-47	21	040S	070W	4301353313		Fee	Indian	OW	APD
LC Fee 16-21D-47	21	040S	070W	4301353326		Fee	Indian	OW	APD
16-7D-46 BTR	7	040S	060W	4301353328		Fee	Indian	OW	APD
LC Fee 15-26D-47	26	040S	070W	4301353331		Fee	Indian	OW	APD
LC Fee 4-24D-47	23	040S	070W	4301353332		Fee	Indian	OW	APD
LC Fee 5-34D-47	34	040S	070W	4301353333		Fee	Indian	OW	APD
LC Fee 5-35D-47	35	040S	070W	4301353334		Fee	Indian	OW	APD
13-34D-47 LC Fee	34	040S	070W	4301353337		Fee	Indian	OW	APD
14-35D-35 BTR	35	030S	050W	4301352120		Fee	Fee	OW	DRL
6-17D-46 BTR	17	040S	060W	4301351078		Indian	Indian	OW	OPS
5-34D-35 BTR	34	030S	050W	4301351187		Indian	Fee	OW	OPS
5-10D-45 BTR	10	040S	050W	4301351221		Indian	Indian	OW	OPS
5-3D-45 BTR	3	040S	050W	4301351810		Indian	Indian	OW	OPS
9-34D-35 BTR	34	030S	050W	4301352117		Fee	Fee	OW	OPS
5-35D-35 BTR	35	030S	050W	4301352118		Fee	Fee	OW	OPS
1-2D-46 BTR	2	040S	060W	4301353086		Indian	Fee	OW	OPS
7-21-46 DLB	21	040S	060W	4301333567	16526	Indian	Indian	OW	P
LC TRIBAL 1H-27-46	27	040S	060W	4301333568	18175	Indian	Fee	GW	P
7-29-46 DLB	29	040S	060W	4301333584	17603	Indian	Fee	GW	P
LC TRIBAL 12H-28-46	28	040S	060W	4301333631	18132	Indian	Indian	GW	P
LC TRIBAL 13H-21-46	21	040S	060W	4301333632	18107	Indian	Indian	GW	P
12-36-36 BTR	36	030S	060W	4301333638	16336	Indian	Fee	GW	P
5-5-46 BTR	5	040S	060W	4301333639	16542	Indian	Fee	OW	P
5-23-36 BTR	23	030S	060W	4301333642	16675	Indian	Fee	GW	P
14-29-36 BTR	29	030S	060W	4301333643	16725	Indian	Fee	OW	P
14-30-36 BTR	30	030S	060W	4301333644	16701	Indian	Fee	GW	P
7-20-46 DLB	20	040S	060W	4301333657	16584	Indian	Indian	OW	P
LC TRIBAL 5-21D-46	21	040S	060W	4301333658	18887	Indian	Indian	OW	P
5-20-46 DLB	20	040S	060W	4301333659	18750	Indian	Indian	GW	P
LC TRIBAL 13H-20-46	20	040S	060W	4301333678	17979	Indian	Indian	GW	P
14-7-46 BTR	7	040S	060W	4301333806	16890	Indian	Indian	GW	P
7-8-45 BTR	8	040S	050W	4301333820	16974	Indian	Indian	OW	P

From: Bill Barrett Corporation

To: Rig II, LLC

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1-5-45 BTR	5	040S	050W	4301333868	16931	Indian	Indian	OW	P
5-16-36 BTR	16	030S	060W	4301333970	17195	Indian	Fee	OW	P
5-29-36 BTR	29	030S	060W	4301333972	17557	Indian	Fee	OW	P
4-30-36 BTR	30	030S	060W	4301333973	17249	Indian	Fee	OW	P
7-19-46 DLB	19	040S	060W	4301334004	19018	Indian	Indian	OW	P
5-25-36 BTR	25	030S	060W	4301334021	17126	Fee	Fee	OW	P
5-4-45 BTR	4	040S	050W	4301334089	17507	Indian	Indian	OW	P
13-2-46 BTR	2	040S	060W	4301334090	18618	Indian	Indian	OW	P
2-3-45 BTR	3	040S	050W	4301334099	17932	Indian	Indian	OW	P
7-6-45 BTR	6	040S	050W	4301334100	17653	Indian	Indian	OW	P
1-9-45 BTR	9	040S	050W	4301334101	17910	Indian	Indian	OW	P
8-10-45 BTR	10	040S	050W	4301334102	17530	Indian	Indian	OW	P
7-17-45 BTR	17	040S	050W	4301334104	17933	Indian	Indian	OW	P
16-7-45 BTR	7	040S	050W	4301334111	17665	Indian	Indian	OW	P
15-18-45 BTR	18	040S	050W	4301334112	17832	Indian	Indian	OW	P
6-12-46 BTR	12	040S	060W	4301334114	17964	Indian	Indian	OW	P
5-13-46 BTR	13	040S	060W	4301334115	17833	Indian	Indian	OW	P
16-26-36 BTR	26	030S	060W	4301334132	18028	Indian	Fee	OW	P
1-23-36 BTR	23	030S	060W	4301334136	17722	Indian	Fee	OW	P
15-10-36 BTR	10	030S	060W	4301334277	17419	Indian	Fee	OW	P
14-5-46 BTR	5	040S	060W	4301350307	17624	Fee	Fee	OW	P
14X-22-46 DLB	22	040S	060W	4301350351	17604	Indian	Indian	OW	P
16-13-36 BTR	13	030S	060W	4301350372	17853	Indian	Fee	OW	P
5-33-46 DLB	33	040S	060W	4301350397	17765	Indian	Fee	OW	P
5-34-46 DLB	34	040S	060W	4301350415	17801	Indian	State	GW	P
LC FEE 12H-32-46	32	040S	060W	4301350431	18003	Fee	Fee	OW	P
1-13D-47 BTR	13	040S	070W	4301350445	18205	Indian	Fee	OW	P
16-8D-45 BTR	8	040S	050W	4301350466	18799	Indian	Indian	OW	P
7-13D-46 BTR	13	040S	060W	4301350470	18076	Indian	Indian	OW	P
14-8D-45 BTR	8	040S	050W	4301350567	18207	Indian	Indian	OW	P
14-5D-45 BTR	5	040S	050W	4301350568	18108	Indian	Indian	OW	P
16-31D-36 BTR	31	030S	060W	4301350573	18004	Indian	Fee	OW	P
5-7D-46 BTR	7	040S	060W	4301350574	18176	Indian	Indian	OW	P
LC TRIBAL 13H-33-46	34	040S	060W	4301350575	18223	Indian	State	OW	P
5-8-45 BTR	8	040S	050W	4301350607	18279	Indian	Indian	OW	P
16-6D-45 BTR	6	040S	050W	4301350610	18177	Indian	Indian	OW	P
5-18D-45 BTR	18	040S	050W	4301350611	18300	Indian	Indian	OW	P
7-26-37 BTR	26	030S	070W	4301350641	18131	Indian	Fee	OW	P
3-11D-36 BTR	11	030S	060W	4301350642	18299	Indian	Fee	OW	P
16-1D-46 BTR	1	040S	060W	4301350675	18525	Indian	Indian	OW	P
14-3-45 BTR	3	040S	050W	4301350676	18363	Indian	Indian	OW	P

From: Bill Barrett Corporation

To: Rig II, LLC

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4-17D-45 BTR	17	040S	050W	4301350687	18517	Indian	Indian	OW	P
5-6D-45 BTR	6	040S	050W	4301350688	18726	Indian	Indian	OW	P
7-7D-45 BTR	7	040S	050W	4301350689	18380	Indian	Indian	OW	P
14-10D-45 BTR	10	040S	050W	4301350754	18447	Indian	Indian	OW	P
14-9D-45 BTR	9	040S	050W	4301350755	18379	Indian	Indian	OW	P
13-16D-36 BTR	16	030S	060W	4301350757	18206	Indian	State	OW	P
5-9D-36 BTR	9	030S	060W	4301350843	18381	Indian	Fee	OW	P
16-5D-46 BTR	5	040S	060W	4301350844	18280	Fee	Fee	OW	P
5-27D-37 BTR	27	030S	070W	4301350847	18526	Indian	Fee	OW	P
7-4D-45 BTR	4	040S	050W	4301350884	18562	Indian	Indian	OW	P
2-16D-45 BTR	16	040S	050W	4301350899	18619	Indian	Indian	OW	P
16-10D-45 BTR	10	040S	050W	4301350902	18725	Indian	Indian	OW	P
5-2D-36 BTR	2	030S	060W	4301350913	18886	Indian	Fee	OW	P
13H-27-36 BTR	27	030S	060W	4301350918	18445	Indian	State	OW	P
8-16D-46 BTR	16	040S	060W	4301350953	19027	Indian	Indian	OW	P
16-16D-46 BTR	16	040S	060W	4301350956	19028	Indian	Indian	OW	P
16-9D-45 BTR	9	040S	050W	4301350962	18662	Indian	Indian	OW	P
14-31D-36 BTR	31	030S	060W	4301350973	18524	Indian	Fee	OW	P
5-10D-36 BTR	10	030S	060W	4301350978	18989	Indian	Fee	OW	P
1-32D-36 BTR	32	030S	060W	4301350979	18648	Indian	Fee	OW	P
16-12D-36 BTR	12	030S	060W	4301350980	18748	Indian	Fee	OW	P
2-18D-45 BTR	18	040S	050W	4301350991	18776	Indian	Indian	OW	P
3-1-46 BTR	1	040S	060W	4301351017	18777	Indian	Fee	OW	P
10-5-45 BTR	5	040S	050W	4301351062	18724	Indian	Indian	OW	P
12-4D-45 BTR	4	040S	050W	4301351063	18813	Indian	Indian	OW	P
1-10D-45 BTR	10	040S	050W	4301351064	18966	Indian	Indian	OW	P
16-2D-46 BTR	2	040S	060W	4301351079	18830	Indian	Indian	OW	P
9H-4-45 BTR	4	040S	050W	4301351092	18814	Indian	Indian	OW	P
12-17-45 BTR	17	040S	050W	4301351097	18984	Indian	Indian	OW	P
5-9D-46 BTR	9	040S	060W	4301351109	19313	Indian	Fee	OW	P
14-9D-36 BTR	9	030S	060W	4301351144	19004	Indian	Fee	OW	P
5-31D-36 BTR	31	030S	060W	4301351146	18691	Indian	Fee	OW	P
4-9D-45 BTR	9	040S	050W	4301351157	18883	Indian	Indian	OW	P
8-12D-46 BTR	12	040S	060W	4301351159	18911	Indian	Indian	OW	P
LC TRIBAL 16-23D-47	23	040S	070W	4301351180	18617	Indian	Indian	OW	P
14-7D-45 BTR	7	040S	050W	4301351222	18949	Indian	Indian	OW	P
5-16D-45 BTR	16	040S	050W	4301351223	18987	Indian	Indian	OW	P
4-5D-45 BTR	5	040S	050W	4301351242	18882	Indian	Indian	OW	P
LC TRIBAL 16H-19-45	19	040S	050W	4301351278	18627	Indian	Indian	OW	P
LC TRIBAL 13-19D-45	19	040S	050W	4301351280	18628	Indian	Indian	OW	P
LC TRIBAL 5-30D-45	30	040S	050W	4301351281	19448	Indian	Indian	OW	P

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LC TRIBAL 15-24D-46	24	040S	060W	4301351283	18626	Indian	Indian	OW	P
LC TRIBAL 13H-24-46	19	040S	050W	4301351289	18629	Indian	Indian	OW	P
7-16-47 BTR	16	040S	070W	4301351296	18950	Indian	Fee	OW	P
14-18D-45 BTR	18	040S	050W	4301351313	19005	Indian	Indian	OW	P
LC TRIBAL 16-30D-46	30	040S	060W	4301351320	19006	Indian	Indian	OW	P
LC TRIBAL 5-20D-45	20	040S	050W	4301351331	19449	Indian	Indian	OW	P
11-8D-46 BTR	8	040S	060W	4301351336	19314	Indian	Indian	OW	P
5-7D-45 BTR	7	040S	050W	4301351350	18951	Indian	Indian	OW	P
7-5-35 BTR	5	030S	050W	4301351599	19078	Indian	Fee	OW	P
13-5D-35 BTR	5	030S	050W	4301351600	18996	Indian	Fee	OW	P
11-5D-35 BTR	5	030S	050W	4301351601	19061	Fee	Fee	OW	P
15-5D-35 BTR	5	030S	050W	4301351602	19062	Fee	Fee	OW	P
9-5D-35 BTR	5	030S	050W	4301351609	19029	Indian	Fee	OW	P
3-5D-35 BTR	5	030S	050W	4301351638	19079	Indian	Fee	OW	P
7-8-46 BTR	8	040S	060W	4301351702	19315	Indian	Indian	OW	P
7-30-46 DLB	30	040S	060W	4301351703	18997	Fee	Indian	OW	P
3-13D-46 BTR	13	040S	060W	4301351718	18881	Indian	Indian	OW	P
2-13D-46 BTR	13	040S	060W	4301351719	18885	Indian	Indian	OW	P
12-12D-46 BTR	12	040S	060W	4301351720	18867	Indian	Indian	OW	P
10-12D-46 BTR	12	040S	060W	4301351721	18856	Indian	Indian	OW	P
11-11D-47 BTR	11	040S	070W	4301352091	19633	Fee	Fee	OW	P
7-12D-47 BTR	12	040S	070W	4301352094	19600	Indian	Fee	OW	P
5-12D-47 BTR	12	040S	070W	4301352095	19634	Indian	Fee	OW	P
14-33D-35 BTR	33	030S	050W	4301352162	19450	Indian	Fee	OW	P
16-33D-35 BTR	33	030S	050W	4301352163	19451	Indian	Fee	OW	P
14-22-46 DLB	22	040S	060W	4301333660	17604	Indian	Indian	D	PA
13H-31-36 BTR	31	030S	060W	4301350465	18485	Indian	Fee	OW	PA
16X-23D-36 BTR	23	030S	060W	4301350623	18007	Indian	State	OW	PA
8-6-45 BTR	6	040S	050W	4301350900	18561	Indian	Indian	OW	PA
13-13-36 BTR	13	030S	060W	4301350919	18364	Indian	Fee	OW	PA
7-28-46 DLB	28	040S	060W	4301333569	16460	Indian	Indian	OW	S
5-21-36 BTR	21	030S	060W	4301333641	16674	Indian	Fee	GW	S
13-26-36 BTR	26	030S	060W	4301333980	17569	Indian	Fee	OW	S
14-1-46 BTR	1	040S	060W	4301334113	18516	Indian	Indian	OW	S
16-21-36 BTR	21	030S	060W	4301334130	17721	Indian	Fee	OW	S
14-21-36 BTR	21	030S	060W	4301334131	18006	Indian	Fee	OW	S
7-16-36 BTR	16	030S	060W	4301334133	17834	Indian	Fee	OW	S
1-30-36 BTR	30	030S	060W	4301334134	17905	Indian	Fee	OW	S
16-30-36 BTR	30	030S	060W	4301334135	18005	Indian	Fee	OW	S
3-23-36 BTR	23	030S	060W	4301334137	17860	Indian	Fee	OW	S
16-16-36 BTR	16	030S	060W	4301334138	17666	Indian	Fee	OW	S

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

4-26-36 BTR	26	030S	060W	4301334139	17620	Fee	Fee	OW	S
9-11-36 BTR	11	030S	060W	4301334276	17451	Indian	Fee	OW	S
3-36-36 BTR	36	030S	060W	4301350398	17955	Indian	Fee	OW	S
7-10-36 BTR	10	030S	060W	4301350437	18052	Indian	Fee	OW	S
16-12D-46 BTR	12	040S	060W	4301350467	18051	Indian	Indian	OW	S
13H-13-46 BTR	13	040S	060W	4301350468	18208	Indian	Indian	OW	S
13-12-46 BTR	12	040S	060W	4301350469	18233	Indian	Indian	OW	S
14-8D-36 BTR	8	030S	060W	4301350612	18163	Indian	Fee	OW	S
14-7D-36 BTR	7	030S	060W	4301350613	18330	Indian	Fee	OW	S
16-9-36 BTR	9	030S	060W	4301350645	18078	Indian	Fee	OW	S
7-27-37 BTR	27	030S	070W	4301350647	18090	Indian	Fee	OW	S
16-12D-37 BTR	12	030S	070W	4301350785	18446	Indian	Fee	OW	S
14-21D-37 BTR	21	030S	070W	4301350859	18548	Indian	Fee	OW	S
10-18D-36 BTR	18	030S	060W	4301350915	18884	Indian	Fee	OW	S
5-27D-36	27	030S	060W	4301350917	18482	Indian	State	OW	S
10-36D-36 BTR	36	030S	060W	4301351005	18523	Indian	Fee	OW	S
14-6D-45 BTR	6	040S	050W	4301351158	18967	Indian	Indian	OW	S
5H-1-46 BTR UTELAND BUTTE	6	040S	050W	4301351215	18728	Indian	Indian	OW	S
5H-1-46 BTR WASATCH	6	040S	050W	4301351216	18727	Indian	Indian	OW	S
1-25D-36 BTR	25	030S	060W	4301351294	18798	Indian	Fee	OW	S
5-5D-35 BTR	5	030S	050W	4301351605	19055	Indian	Fee	OW	S
16-23-36 BTR	23	030S	060W	4301333971	17182	Indian	Fee	OW	TA
LC TRIBAL 14-23D-47	23	040S	070W	4301334022	18616	Indian	Indian	OW	TA
5-32D-36 BTR	32	030S	060W	4301350756	18328	Indian	Fee	OW	TA



October 20, 2016

Re: Bill Barrett Corporation Transfer to New Operator

Dear Ms. Medina:

Attached please find the change of operation Form 9, Form 5's and Request to Transfer APD form changing the operator from Bill Barrett Corporation to RIG II, LLC, effective 11/1/2016. Badlands Energy – Utah, LLC will be a sub-operator.

New Operator Contact information:

RIG II, LLC
1582 West 2600 South
Woods Cross, Utah 84087-0298
Telephone: (801) 683-4245
Fax: (801) 298-9889

Upon reviewing the attached, please contact myself with any questions at 303-312-8115.

Sincerely,

Bill Barrett Corporation

Brady Riley
Permit Analyst

RECEIVED
OCT 21 2016
DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:
(see attached well list)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

N/A

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:
(see attached well list)

9. API NUMBER:

10. FIELD AND POOL, OR WILDCAT:

1. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER

2. NAME OF OPERATOR:

RIG II, LLC

N4055

3. ADDRESS OF OPERATOR:

1582 West 2600 South

CITY Wood Cross

STATE UT

ZIP 84087

PHONE NUMBER:

(801) 683-4245

4. LOCATION OF WELL

FOOTAGES AT SURFACE: (see attached well list)

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ NOTICE OF INTENT
(Submit in Duplicate)

Approximate date work will start:

11/1/2016

☐ SUBSEQUENT REPORT
(Submit Original Form Only)

Date of work completion:

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☒ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☐ OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

RIG II, LLC IS SUBMITTING THIS SUNDRY AS NOTIFICATION THAT THE WELLS LISTED ON THE ATTACHED LIST HAVE BEEN SOLD TO RIG II, LLC BY BILL BARRETT CORPORATION EFFECTIVE 11/1/2016. PLEASE REFER ALL FUTURE CORRESPONDENCE TO THE ADDRESS BELOW.

RIG II, LLC

1582 West 2600 South

Woods Cross, Utah 84087-0298

801-683-4245

(STATE/FEE BOND # 9219529/ BLM BOND # UTB000712/ BIA BOND # LPM9224670)

BILL BARRETT CORPORATION N4165

Duane Zavala

NAME (PLEASE PRINT)

Duane Zavala

SIGNATURE

Senior Vice President -

EH&S, Government and Regulatory Affairs

RIG II, LLC

Jesse McSwain

NAME (PLEASE PRINT)

Jesse McSwain

SIGNATURE

Manager

NAME (PLEASE PRINT) Jesse McSwain

TITLE Manager

SIGNATURE

Jesse McSwain

DATE

10/20/16

(This space for State use only)

APPROVED

NOV 07 2016

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Request to Transfer Application or Permit to Drill

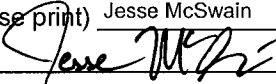
(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

Well name:	(See attached list)
API number:	
Location:	Qtr-Qtr: Section: Township: Range:
Company that filed original application:	Bill Barrett Corporation
Date original permit was issued:	
Company that permit was issued to:	Bill Barrett Corporation

Check one	Desired Action:
	Transfer pending (unapproved) Application for Permit to Drill to new operator
	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
<input checked="" type="checkbox"/>	Transfer approved Application for Permit to Drill to new operator
	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.	Yes	No
If located on private land, has the ownership changed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> If so, has the surface agreement been updated?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Has the approved source of water for drilling changed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is bonding still in place, which covers this proposed well? Bond No. <small>9219529-LUDGM / UTB000712-BLM / LPM9224670-BIA</small>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) Jesse McSwain Title Manager
Signature  Date 10/20/16
Representing (company name) RIG II, LLC

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

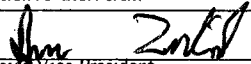
UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

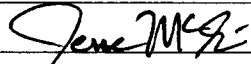
Well Name and Number 6-32-36 BTR SWD	API Number 4301350921
Location of Well Footage : 1628 FNL 1553 FWL County : DUCHENSE QQ, Section, Township, Range: SENW 32 3S 6W State : UTAH	Field or Unit Name CEDAR RIM Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016

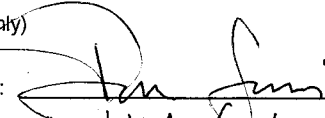
CURRENT OPERATOR

Company: <u>BILL BARRETT CORPORATION</u>	Name: <u>Duane Zavadii</u>
Address: <u>1099 18th Street Ste 2300</u>	Signature: <u></u>
city <u>DENVER</u> state <u>CO</u> zip <u>80202</u>	Title: <u>Senior Vice President -</u>
Phone: <u>(303) 293-9100</u>	Title: <u>EH&S, Government and Regulatory Affairs</u>
Comments:	Date: <u>10/20/16</u>

NEW OPERATOR

Company: <u>RIG II, LLC</u>	Name: <u>Jesse McSwain</u>
Address: <u>1582 West 2600 South</u>	Signature: <u></u>
city <u>Wood Cross</u> state <u>UT</u> zip <u>84087</u>	Title: <u>Manager</u>
Phone: <u>(801) 683-4245</u>	Date: <u>10/20/16</u>
Comments:	

(This space for State use only)

Transfer approved by: 
Title: UIC Geologist

Approval Date: 11/3/16

Comments:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

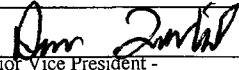
TRANSFER OF AUTHORITY TO INJECT

Well Name and Number 16-6D-46 BTR SWD	API Number 4301350781
Location of Well Footage : 0200 FSL 0099 FEL County : DUCHESNE QQ, Section, Township, Range: SESE 6 4S 6W State : UTAH	Field or Unit Name ALTAMONT Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016

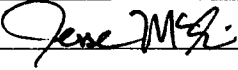
CURRENT OPERATOR

Company: BILL BARRETT CORPORATION
Address: 1099 18th Street Ste 2300
city DENVER state CO zip 80202
Phone: (303) 293-9100
Comments:


Name: Duane Zavadii
Signature: 
Senior Vice President -
Title: EH&S, Government and Regulatory Affairs
Date: 10/20/16

NEW OPERATOR

Company: RIG II, LLC
Address: 1582 West 2600 South
city Wood Cross state UT zip 84087
Phone: (801) 683-4245
Comments:

Name: Jesse McSwain
Signature: 
Title: Manager
Date: 10/20/16

(This space for State use only)

Transfer approved by: 
Title: VIC

Approval Date: 11/3/16

Comments:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

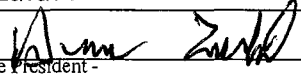
UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

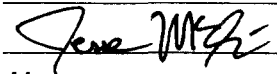
Well Name and Number SWD 9-36 BTR	API Number 4301350646
Location of Well Footage : 0539 FSL 0704 FEL County : DUCHESNE QQ, Section, Township, Range: SESE 9 3S 6W State : UTAH	Field or Unit Name CEDAR RIM Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016

CURRENT OPERATOR

Company: BILL BARRETT CORPORATION	Name: Duane Zavadii
Address: 1099 18th Street Ste 2300	Signature: 
city DENVER state CO zip 80202	Title: Senior Vice President - EH&S, Government and Regulatory Affairs
Phone: (303) 293-9100	Date: 10/20/16
Comments:	

NEW OPERATOR

Company: RIG II, LLC	Name: Jesse McSwain
Address: 1582 West 2600 South	Signature: 
city Wood Cross state UT zip 84087	Title: Manager
Phone: (801) 683-4245	Date: 10/20/16
Comments:	

(This space for State use only)

Transfer approved by: _____ Approval Date: _____

Title: _____

Comments:

*This well was approved by USEPA.
EPA approval will be required.*